

**Technical Report # 0920**

**The Development of K-8 Progress Monitoring Measures in  
Mathematics for Use with the 2% and General Education  
Populations: Grade 2**

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## **Abstract**

In this technical report, we describe the development and piloting of a series of mathematics progress monitoring measures intended for use with students in grades kindergarten through eighth grade. These measures, available as part of easyCBM™, an online progress monitoring assessment system, were developed in 2007 and 2008 and administered to approximately 2,800 students per grade from schools across the United States in November and December of 2008 using a common item design to allow all items to be estimated on the same scale within each grade level. We analyzed the results of the piloting using a one parameter logistic (1PL) Rasch analysis. Because the results of these analyses are quite lengthy, we present the results for each grade's analysis in its own technical report, all sharing a common abstract and introduction but unique methods, results, and discussion sections.

## **The Development of K-8 Progress Monitoring Measures in Mathematics for Use with the 2% and General Education Populations: Grade 2**

Progress monitoring assessments are a key component of many school improvement efforts, including the Response to Intervention (RTI) approach to meeting students' academic needs. In an RTI approach, teachers first administer a screening or benchmarking assessment to identify students who need supplemental interventions to meet grade-level expectations, then use a series of progress monitoring measures to evaluate the effectiveness of the interventions they are using with the students. When students fail to show expected levels of progress (as indicated by 'flat line scores' or little improvement on repeated measures over time), teachers use this information to help them make instructional modifications with the goal of finding an intervention or combination of instructional approaches that will enable each student to make adequate progress toward achieving grade level proficiency and content standards. In such a system, it is critical to have reliable measures that assess the target construct and are sensitive enough to detect improvement in skill over short periods of time. Because both terms are relevant to our item writing efforts, we first provide a brief synthesis of the literature on 'universal design for assessment' and then describe what is meant by 'the 2% population' before we describe the actual methods used in item creation, piloting, and evaluation.

### **Universal Design for Assessment**

Universal Design for Assessment (UDA) is an approach to creating assessments in which test developers try to make their measures accessible to the widest possible population of students by incorporating design features that will reduce the barriers to students being able to interface successfully with the test items. In creating our mathematics items, we referred to both the National Center on Educational Outcomes' *A State Guide to the Development of Universally*

*Designed Assessment* (Johnstone, Altman, & Thurlow, 2006) and the *Test Accessibility and Modification Inventory* by Beddow, Kettler, and Elliott (2008).

Assessments that are universally designed encourage testing conditions that are accessible and fair to students with special needs as well as to those in the general education population. Universally designed assessments should: (a) measure true constructs while eliminating irrelevant ones, (b) recognize the diversity of the test-taker population, (c) be both concise and clear in their language, (d) have clear format and visual information, and (e) include the ability to change formatting without compromising the meaning or difficulty of the assessment results. Universally designed assessments aim to provide valid interpretation of all test-takers' abilities and skills, including those with disabilities (Johnstone, Altman, & Thurlow, 2006).

In addition to the guidelines by Johnstone et al. (2006), we focused on reducing the cognitive complexity of the mathematics items we created in an attempt to tighten the connection between the targeted construct within the NCTM mathematics Focal Point Standards and the math items. From a cognitive science perspective, cognitive complexity relates to the degree to which a particular situation requires an individual to engage in the problem solving processes. In terms of assessments, cognitive complexity can be altered by changing the way in which a problem is represented (the degree to which it requires a test taker to engage in abstract thinking to reach a solution); by limiting or expanding the necessity for planning and use of strategy; by requiring different levels of self-monitoring and evaluation; and by emphasizing or de-emphasizing the use of metacognition to explain one's understanding of the problem and its solution or to generalize or abstract the outcome (Stevens, 2007, personal communication).

The principles of universal design for assessment guided our item creation efforts. In

addition, we sought to reduce the cognitive complexity of our items through reducing the steps students would need to take to solve the math items, by reducing the language and working memory load of our items, and by consciously attempting to reduce the chance that extraneous information provided in the mathematics question stem or answer choices would confuse students. Our goal was to create mathematics items that would be appropriate for use with students from both general education and the 2% population as well as for English language learners.

### **The 2% Population**

*The Title I—Improving the Academic Achievement of the Disadvantaged; Individuals With Disabilities Education Act (IDEA)*, allows approximately 20% of students with disabilities to be assessed on grade-level content standards but with modified academic achievement standards. This subgroup of students with disabilities is frequently referred to as ‘the 2% student population’ because federal legislation allows states to designate up to 2% of their total student population as those for whom this would be the most appropriate assessment scenario. The 2% student population may include students with disabilities (excluding the ones with the most severe cognitive deficits) or those with lower academic performance who do not respond to reading interventions persistently (McMaster, Fuchs, Fuchs, & Compton, 2005; Torgensen, Alexander, Wagner, Rashotee, Voeller, & Conway, 2001).

Germane to our work here, it is important to emphasize that students in the 2% population are expected to be assessed on grade-level content standards, but their achievement standards may not be as high as those set for students from the general education population. Thus, in developing our mathematics item bank, we sought to create math items that would appropriately target the grade-level content standards yet would do so in a way that would render them

accessible to a wider range of student ability than might be typically expected of assessment items. Our focus on reducing the cognitive and linguistic complexity of items as well as on designing the computer interface and features of the items themselves to reduce the impact of construct irrelevant barriers to student understanding was intended to provide a bank of items from which we could draw mathematics problems representing a wide range of difficulty yet all aligned to grade-level content standards.

### **Methods**

In this technical report, we explain the development of mathematics progress monitoring measures designed for use with students in grades K-8. This development included three key steps: (a) creation of an item bank, (b) piloting of all items in the item bank to determine their difficulty, reliability, and appropriateness for use with the intended grade level, and (c) organizing of the items into a series of benchmark and progress monitoring assessments. We begin by describing the process of item creation, including background about the item specifications and guidance given to item writers during the development of the individual mathematics items. Then, we explain the piloting of the mathematics items. We outline the process we used to create multiple comparable alternate forms of progress monitoring and benchmarking assessments using the item bank information. Finally, we describe how the mathematics measures designed for use with students from the 2% population differ slightly from those designed for use with students from the general education population, yet both share key components of universal design and are aligned to grade-level content standards.

### **Item Development**

We used the National Council of Teachers of Mathematics (NCTM) Focal Point Standards in Mathematics as the basis for our item creation. These standards were introduced by

the NCTM in 2006, and were adapted by the Oregon Department of Education and then formally adopted by the state for use to guide classroom instruction as well as statewide assessment in 2008. All items were written to target one sub-domain within a particular Focal Point Standard, with item-writers specifically referencing the intended sub-domain in the item database during item writing.

**Item writer qualifications.** Eight item writers were recruited from across Oregon. These individuals had experience in teaching and mathematics. Five of the item writers had worked extensively with students in Special Education programs and were familiar with their educational needs. Specific background information is provided about each of the item writers. Item writer #1, who had a Master's degree in Computer Programming, had a strong background in mathematics. He had been providing tutoring and home schooling in math since 1990. Item writer #2 had a Master's degree in Special Education. She had taught pre-Kindergarten through 5<sup>th</sup> grade and had completed 1.5 years of research work in assessment. Item writer #3 had the following qualifications: BS in Elementary Education with a Reading Endorsement; work experience with students in kindergarten and elementary grades and preschoolers with special needs; teaching experience as a substitute teacher and tutor for adults. Item writer #3 had also consulted and developed curriculum professionally. Item writer #4 had a BA in Health Education, a Master's of Arts in Teaching (K-8 Elementary Endorsement), and additional university credits for math education. In addition to teaching students in first through fourth grade for 13 years, item writer #4 had also attended NCTM Conferences.

Item writer #5 was a retired middle school teacher who had taught students with special needs. She had a BS in Elementary Education with a Reading Endorsement (K-12) and had 25 years of teaching experience. Item writer #6 held a Master's degree in Special Education and a



BA in Developmental Psychology. Her experiences included: working as a Special Education teacher and Program Coordinator for a social service program; eight years of supporting individuals with developmental disabilities; and designing functional academic curricula in mathematics, reading, and social skills.

Item writer #7, a fifth-year Ph.D. candidate in developmental psychology, had a Bachelor's and a Master's degree also in developmental psychology. While item writer #7 had completed relevant coursework such as statistics, research methods, developmental psychology, language acquisition, linguistics, and social cognition, she had also taught undergraduate-level courses including Child Development, Cognitive Development, and Language Acquisition. Finally, item writer #8 received a BA in Humanities with a concentration in Education and a Master's in Special Education. He had 3 years of experience teaching English in grades K-16 and was working in a research organization on projects related to assessments at the time he was writing mathematics items for this project. All item writers started the writing process in October 2007. The item bank was completed in August 2008.

**Guidance given to item writers.** Item writers were informed that the goal of this project was to create math items that would be appropriate for the 2% student population. In describing this student population, they were told to picture students with very low academic performance, who receive special education services, and who would also likely receive significant support in the general education classrooms.

Item writers were provided specific guidelines on how they should approach the item writing process. Two major points were emphasized: (a) the importance of writing math items that reduced the cognitive complexity of the tasks, and (b) the need to preserve the integrity of the items by connecting them to grade-level content standards. Although the item-writers were

told that researchers are still operationally defining the meaning of ‘reducing cognitive complexity,’ they were given some basic ideas to consider while completing the item-writing tasks.

First, item writers were encouraged to pick an approach that required the least amount of manipulation on the part of the student. They were reminded that there are usually several ways in which one can structure or represent mathematics operations. Examples were given to demonstrate math items that would require the least amount of manipulation in the process. Item writers were requested to write items in this manner consistently across all types of calculation problems in all formats.

When selecting numbers for use in math problems, item writers were encouraged to select numbers that were relatively easy to compute. By using easier numbers, students could demonstrate mastery of the content standard concept while reducing the likelihood that a computational error would interfere with measurement of the construct being assessed. Item writers were also asked to be selective with their word choices. They were strongly encouraged to use simple language (short words and declarative sentences). The emphasis on simple language was designed to reduce the chance that words would present a barrier to assessing students’ ability to demonstrate their mathematical knowledge.

The overall goal in item writing was to focus students’ attention on a single idea. Therefore, it was essential for item writers to: (a) have in-depth understanding of the material, (b) spend time thinking of their audience, (c) be clear and concise in their writing, and (d) avoid irrelevant language and clues when writing the items.

Other specific guidelines provided to item writers included the following:

1. Address key verbs such as ‘recall,’ ‘analyze,’ ‘construct,’ and ‘recognize’ that are used in the NCTM Standards;
2. Include necessary information in the questions so that answer choices are represented in the most simplistic and comprehensible manner;
3. Keep grammar structure parallel between a question and each answer option;
4. Avoid certain word choices in answer options such as ‘All of the above,’ ‘None of the above,’ negatives and double negatives;
5. Keep answer options similar in length and complexity levels; and
6. Ensure that all answer choices are mutually exclusive.

To increase the alignment between items in consecutive grade levels, the year-long task of writing approximately 1,100 items per grade level was divided into 23 sets, each addressing a pre-determined Focal Point Standard. Each set included 50 items per grade level in three grade levels, or 150 math items in all. Thus, for each set of items, each item writer wrote math problems aligned with similar Focal Point Standards for three grades. Item writers completed their work on three separate Excel files that were pre-formatted and named by the researchers. Item writers were encouraged to write items so that the difficulty level progressed smoothly from grade to grade. They were asked to create multiple-choice test items with three answer choices to address the Standards.

Although examples of test items were given, item writers were given the freedom to devise comparable questions that met the Standards. Because copies of the general and specific Standards were provided to the item writers, they were expected to study and understand the Standards’ requirements. Item writers were reminded of the importance of producing items that met the Standards with the following characteristics: (a) items should be simple, direct, and in

the most basic form of the Standard requirements; (b) complexity should be reduced whenever possible; (c) items should use vocabulary, background knowledge and topics appropriate for students in the target grade level; and (d) the language should be simple, avoiding use of idioms, long words, passive voice, and unnecessary clauses.

Item writers were provided the EDL Core Vocabulary list as a reference for determining appropriate grade-level words to use in items and distractors. They were asked to try to use words a minimum of 2 grade levels below the grade level for which they were writing whenever possible. Finally, researchers stressed the importance of creating original items, although item writers were given print and online resources as sources of inspiration, ideas, or information.

In writing the distractors, item writers were reminded to maintain three answer choices that were similar in length and complexity level, differing only in content. When constructing incorrect choices, they were informed that these distractors should be relevant to the problem. Item writers were requested to use related words or numbers in the distractors, so that each answer choice appeared to be a relevant option.

**Design of graphics.** As item writers created finished their sets, they provided rough sketches and descriptions of the graphics needed to complete each item. These sketches and descriptions were sent to a computer graphic artist, who created original computer renderings of each image required by the items. These graphics were then saved as .png files in a database and later imported to the online mathematics test interface.

**Design of computer interface.** Because these items were designed specifically for use in online computer delivered assessments, the research team worked closely with the computer programmer to ensure that the items would be able to be displayed appropriately in an online testing environment. The computer programmer provided guidance in the original item writing

specifications, assisting with the development of computer code to enable a reliable and efficient transfer of the items from the Excel files provided by the item writers to the computer database and subsequent online display of the items.

Items were designed to be displayed one at a time on the screen, with a large text box on the left side of the screen where the question stem/item was displayed and the three answer options on the right side of the screen, along with the answer choice “I don’t know” (see Figure 1). Students select their answer by clicking anywhere in the large rectangular area corresponding with the answer option they want to pick. Once they are satisfied with their response, they click the “Next” button at the bottom right corner of their screen, and the computer displays the next item. Once a student has clicked on the “Next” button, they are not able to go back to a previous item.

The size of the question stem and answer options is optimized for display without requiring any ‘scrolling’ to view all parts of the question and all possible answer options. However, should they need to enlarge the text to enable them to read it better, students are able to magnify the size of the display by adjusting their computer’s view to zoom in. The program is designed to be compatible with Firefox, Safari (on a Mac Operating System), and Internet Explorer (on a Windows Operating System).

Each time a question is displayed, the computer randomizes the order of the answer options, except that the “I don’t know” option is always retained as the final answer option on the page. Thus, even when two students are looking at the same question at the same time, it is likely that the answer options will appear in a different order on the right side of their screen. This random display feature built into the programming helps reduce the impact of cheating.

1 2 3 4 5

Which has triangle faces?

2

1

5

I don't know

Next

Figure 1  
*Sample Question Illustrating Computer Display of Item.*

### Item Review Process

A team of six researchers reviewed all items beginning June 2008. These researchers all had experience with assessment and item creation. Two of the researchers had earned doctorates in education, one with an emphasis on assessments. One of the researchers had a Master's in Special Education and had participated in a special program throughout his graduate studies focused on educational assessments. He had been the primary contact for the item writers for the previous year and was very familiar with the project. Of the remaining three researchers, one was a Ph.D. student in Educational Leadership, one was a Master's student in Speech Language Pathology, and one was a full-time research assistant at a research institute at the university where this research was conducted.

During the item review process, the researchers studied specific aspects of the items, including general clarity and alignment with the standards, formatting, wording, and answer choices. Researchers reviewed the items individually and as a group. Each researcher spent on average ten hours per week from June to July 2008 reviewing items individually. Beginning in

July and continuing for 6 weeks, the team met regularly as a group in 2-3 hour meetings, 5 days a week. During group reviews, the team focused primarily on standardizing formats, verifying answer choices, and identifying errors. As errors were found, they were corrected, resulting in approximately 6600 items to be piloted in the fall of 2008.

### *Item Piloting*

Teachers from grades K-8 were recruited to participate in the pilot in three ways: through announcements posted on the easyCBM (Alonzo, Ulmer, Tindal, & Glasgow, 2006) and DIBELS websites, through direct recruitment of teachers using existing cooperative relationships between the districts and the research institute that developed the assessments, and through word of mouth. Item piloting for Kindergarten through Fourth Grade began on November 10<sup>th</sup> and ended on December 5<sup>th</sup>. Item piloting for Fifth Grade began on November 10<sup>th</sup> and ended on December 15<sup>th</sup>. Districts interested in participating in the piloting were provided a letter of introduction that described the piloting process and explained that to protect confidentiality, no identifying information would be collected on students, teachers, schools, or districts participating in the piloting.

Teachers were provided with specific instructions on how to access the piloting website and were instructed to have their students select their appropriate grade level from the list of grades provided and then to monitor while their students completed the online test. Students were encouraged to use scratch paper if they needed it, but use of calculators was prohibited. Each student was presented with 25 items each time he/she logged in to the testing website. The first 20 items on each test were randomly selected by the computer from the approximately 1,100 items available at that grade level. The final 5 items on each grade level test were always the same. These five items, selected for their range of difficulty and coverage of all Focal Point

Standards within a grade level, were kept constant to allow for calibrating all items within a grade level to the same scale. In keeping with Kolen and Brennan's (2004) recommendation, these five items always appeared in the same order and place on each test.

### *Data Analysis*

To analyze the items, we used a 1PL Rasch model and the software Winsteps 3.61 (Linacre, 2006). We chose the one parameter model rather than a more complicated one for our analysis out of a desire for parsimony and because it appears to fit the data quite well. Because we gave students the option of selecting "I don't know," we hoped to reduce the potential impact of guessing. Key item parameters we analyzed include *Mean Square Outfit* (items falling outside the desired range of 0.50 to 1.50 were examined in greater detail before being retained in the item bank for future use, *Standard Error of Measure*, and *Measure* (an estimate of the item's difficulty). In addition to these item parameters, we also analyzed how the distractors functioned. In all cases, we sought to retain for our item bank items where students with the highest average estimated ability selected the correct answer choice, while students with lower average estimated ability selected the two other answer choices. We also sought items with a wide range of difficulty, cognizant of the need to have enough items to use for assessments designed for use with students from the 2% population as well as with students from the general education population.

### **Results**

Data from each grade level were analyzed separately. In all, we analyzed 173 Kindergarten items, 243 Grade 1 items, 1,167 Grade 2 items, 1,167 Grade 3 items, 1,149 Grade 4 items, 1,150 Grade 5 items, 953 Grade 6 items, 912 Grade 7 items, and 902 Grade 8 items. The results of these analyses are reported separately by grade, each in its own technical report.



## Grade 2

Of the Grade 2 items, 37 were over-fit (Mean Square Outfit ranging from 0.03 to 0.49, with an average Mean Square Outfit of 0.34) while 97 were under-fit, with Mean Square Outfits ranging from 1.51 to 5.01, with an average Mean Square Outfit of 2.01. Table 1 presents the results of the Rasch analysis for the Grade 2 items. Table 2 presents the results of the distractor analysis for Grade 2. Of the 37 over-fit items, all were retained for the item bank because distractor analysis indicated that they were functioning appropriately. In all cases, students with the average highest estimated ability selected the correct answer, while students with lower average estimated ability selected incorrect answer options. Of the 97 under-fit items, 47 were dropped from the item bank because distractor analysis indicated that students with higher average estimated ability were selecting the incorrect answer options than were selecting the correct answer. The remaining 50 were retained for the item bank because distractor analysis indicated that they were functioning correctly.

### Discussion

We used the results of the Rasch analysis to select items from the item bank to use in the creation of ten alternate forms of progress monitoring measures appropriate for use with students in second grade for each of the three Focal Point Standards, resulting in a total of 30 second-grade math progress monitoring measures. Each form of the measures was comprised of 16 unique items, and all alternate forms within each Focal Point were of comparable difficulty, as determined by calculating the mean *measure* of the items on each form. Mean measure of forms 1 – 10 of the *Numbers and Operations* progress monitoring measures ranged from 0.10 to 0.11, with an average of 0.10 across all ten forms. Table 3 lists information about each of the alternate forms of the *Numbers and Operations* measures for second grade. Mean measure of forms 1 – 10

of the *Geometry* progress monitoring measures ranged from -0.38 to -0.39, with an average of -0.39 across all ten forms. Table 4 lists this information for the *Geometry* measures. Mean measure of forms 1 – 10 of the *Numbers and Operations and Algebra* progress monitoring measures ranged from 0.61 to 0.62, with an average of 0.61 across all ten forms. Table 5 lists this information for the *Numbers and Operations and Algebra* measures.

Thus, within the progress monitoring measures developed for use in second grade, those aligned with the Geometry Focal Point Standard are designed to be the easiest, followed by those aligned with the Numbers and Operations Focal Point Standard. The measures aligned with the Numbers and Operations and Algebra Focal Point Standard are designed to be the most challenging of the second grade progress monitoring mathematics measures on easyCBM™.

Table 1  
Grade 2 Math Item Piloting Results

Item	Focal Point	Domain	Measure	Count	Score	Error	OUT. MSQ	DISCRIM
30001	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.27	40	24	0.34	0.98	0.73
30002	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.19	42	21	0.34	1.09	0.67
30003	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.5	49	12	0.36	0.9	1.05
30004	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.86	43	10	0.39	0.68	1.28
30005	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.03	46	14	0.36	0.92	1.02
30006	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.55	45	19	0.33	0.75	1.57
30007	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.92	42	7	0.44	0.98	1.08
30008	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.7	44	16	0.34	1.28	0.37

30009	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	3.22	44	3	0.62	2.2	0.79
30010	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.86	50	9	0.39	2.62	0.57
30011	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.18	46	24	0.32	0.68	1.95
30012	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.63	44	16	0.33	0.87	1.39
30013	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.06	45	24	0.32	1.04	0.87
30014	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.86	45	32	0.35	1.13	0.8
30015	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.86	44	8	0.42	1.06	1.06
30016	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	2.83	47	4	0.54	1.21	1.01

30017	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	2.25	39	5	0.5	2.58	0.56
30018	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.54	44	12	0.36	1.12	0.84
30019	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.88	45	16	0.33	1.25	0.5
30020	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.28	44	12	0.37	1.34	0.82
30021	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.66	41	10	0.4	0.83	1.18
30022	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.58	43	19	0.33	0.92	1.21
30023	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.87	46	15	0.34	0.93	1.06
30024	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.75	40	10	0.39	0.99	1.09
30025	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.23	47	13	0.35	0.83	1.13
30026	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.69	40	8	0.43	0.79	1.01

30027	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.79	46	16	0.34	0.82	1.2
30028	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.41	43	10	0.38	1.44	0.87
30029	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.88	43	16	0.35	1.23	1.03
30030	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.93	45	16	0.34	1.06	0.91
30031	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.4	39	13	0.39	0.99	1.17
30032	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.33	47	14	0.36	0.77	1.2
30033	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.03	44	8	0.42	1.73	0.79
30034	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.97	39	3	0.62	1.08	1.04
30035	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.88	42	16	0.35	1.03	0.99
30036	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.53	45	19	0.33	1.15	0.53
30037	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	2.1	42	6	0.47	1.39	0.91

30038	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	2.19	45	6	0.46	0.69	1.13
30039	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.69	44	14	0.34	1.15	0.68
30040	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.82	39	14	0.37	1.18	0.68
30041	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.81	48	10	0.38	1.49	0.79
30042	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.49	41	9	0.4	0.98	1.19
30043	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.57	45	10	0.38	0.91	1.15
30044	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.09	49	16	0.33	0.93	1.07
30045	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	2.24	44	6	0.46	1.12	0.82
30046	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.98	46	7	0.43	1.11	0.97
30047	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.95	41	6	0.47	0.7	1.17
30048	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.7	44	16	0.34	1.51	1.03
30049	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.59	47	13	0.35	1.32	0.91
30050	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.17	46	23	0.32	1.02	0.84
30051	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.57	46	19	0.33	1.03	0.98
30052	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.51	46	38	0.42	0.69	1.14
30053	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.43	42	24	0.35	0.9	1.14
30054	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.28	46	27	0.33	0.86	1.21

30055	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.5	42	32	0.4	0.66	1.21
30056	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.55	46	30	0.34	0.86	1.17
30057	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.11	41	31	0.4	0.99	1.01
30058	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.77	52	36	0.32	0.94	1.13
30059	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.66	44	29	0.34	0.63	1.82
30060	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.35	43	34	0.42	0.81	1.1
30061	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-3.03	45	42	0.62	1.26	0.98
30062	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-3.1	42	38	0.65	0.47	1.1
30063	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.64	43	39	0.58	1.47	0.67
30064	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.99	45	42	0.61	0.39	1.12
30065	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.63	44	40	0.55	0.61	1.03
30066	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.28	51	46	0.51	0.49	1.19
30067	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.16	60	54	0.44	0.89	0.98
30068	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.7	44	40	0.54	0.57	1.08
30069	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.87	48	45	0.61	0.55	1.06
30070	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.16	52	46	0.46	0.82	1.01
30071	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.25	46	6	0.47	3.57	0.47
30072	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.03	48	15	0.33	1.06	0.96
30073	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.23	43	21	0.34	0.93	1.05



30074	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.22	50	8	0.4	1.47	0.82
30075	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.23	40	24	0.36	0.76	1.42
30076	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.5	41	10	0.39	2.03	0.31
30077	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.71	49	9	0.39	1.94	0.53
30078	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.91	45	7	0.43	0.99	0.91
30079	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.45	44	7	0.45	3.04	0.3
30080	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.17	44	21	0.33	0.84	1.4
30081	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.69	42	10	0.39	1.27	0.83
30082	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1.09	42	33	0.4	0.64	1.36
30083	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.26	49	29	0.32	1	1.09
30084	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.47	42	5	0.52	1.77	0.88
30085	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.01	43	7	0.44	1.2	0.86
30086	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.78	46	29	0.34	0.84	1.21
30087	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.19	44	24	0.34	0.8	1.41
30088	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.77	44	29	0.35	0.76	1.34
30089	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1	42	30	0.38	0.69	1.3

30090	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.94	46	32	0.36	0.9	1.04
30091	Number and Operations	Identify equivalent fractions using models including the number line.	1.58	45	12	0.37	1.14	0.92
30092	Number and Operations	Identify equivalent fractions using models including the number line.	1.36	43	12	0.37	0.69	1.32
30093	Number and Operations	Identify equivalent fractions using models including the number line.	0.87	41	14	0.35	0.87	1.29
30094	Number and Operations	Identify equivalent fractions using models including the number line.	0.3	43	20	0.34	1.09	0.75
30095	Number and Operations	Identify equivalent fractions using models including the number line.	0.16	40	17	0.35	0.7	1.83
30096	Number and Operations	Identify equivalent fractions using models including the number line.	2.22	45	7	0.44	1.55	0.75
30097	Number and Operations	Identify equivalent fractions using models including the number line.	0.42	39	16	0.35	0.96	1.1
30098	Number and Operations	Identify equivalent fractions using models including the number line.	-0.24	43	26	0.34	0.76	1.58
30099	Number and Operations	Identify equivalent fractions using models including the number line.	0.02	43	23	0.34	0.9	1.08
30100	Number and Operations	Identify equivalent fractions using models including the number line.	0.45	41	18	0.35	0.68	1.74
30101	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.66	46	32	0.34	1.08	1.26
30102	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.53	42	32	0.43	0.9	1.12
30103	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.11	44	23	0.34	0.71	1.64
30104	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.15	40	23	0.35	1.05	0.94
30105	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.22	43	33	0.4	0.81	1.23
30106	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.54	38	30	0.44	0.79	1.16
30107	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.29	43	39	0.53	0.91	1.02
30108	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.36	39	30	0.42	0.95	0.99
30109	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.14	44	35	0.39	0.76	1.13
30110	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.88	40	37	0.7	0.24	1.24

30111	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.5	43	39	0.58	0.43	1.18
30112	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.37	41	36	0.51	0.79	1.02
30113	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.42	43	34	0.4	1.57	0.88
30114	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.71	43	35	0.45	1.08	1.1
30115	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.31	42	38	0.55	1.23	0.98
30116	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.42	41	33	0.42	0.88	1.12
30117	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.23	38	30	0.42	0.89	1.11
30118	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-3.34	43	41	0.74	0.3	1.11
30119	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.51	44	36	0.43	0.97	0.99
30120	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.5	49	38	0.38	1.02	1.02
30121	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-3.09	39	36	0.63	0.45	1.12
30122	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.26	39	35	0.57	0.96	0.92
30123	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.65	48	38	0.4	0.85	1.01
30124	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.17	38	26	0.38	0.79	1.26
30125	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.91	38	33	0.5	0.93	1

30126	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	1.12	43	15	0.35	1	0.81
30127	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-3.45	42	40	0.74	0.77	0.98
30128	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.86	43	37	0.47	0.68	1.15
30129	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.88	49	37	0.35	1.15	0.92
30130	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	1.41	40	12	0.39	1.03	1.01
30131	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.93	39	27	0.4	0.53	1.48
30132	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.05	43	25	0.34	0.75	1.39
30133	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.38	39	19	0.35	0.78	1.58
30134	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0	0	0	0	1	1
30135	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.69	39	35	0.58	1.04	0.95
30136	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	2.78	45	5	0.51	1.79	0.98
30137	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.11	41	31	0.39	1.04	1.01
30138	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.82	39	27	0.38	1.06	0.85
30139	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.76	44	30	0.35	0.73	1.37
30140	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.41	45	21	0.33	1.02	0.96

30141	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.21	43	24	0.34	0.81	1.4
30142	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.61	42	16	0.36	0.61	1.57
30143	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.58	45	28	0.34	1.02	0.83
30144	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.22	42	25	0.35	0.85	1.22
30145	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.85	43	31	0.37	0.94	1.02
30146	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.01	43	15	0.36	0.9	1.22
30147	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.19	39	21	0.34	0.92	1.24
30148	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.27	43	22	0.34	0.88	1.14
30149	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.91	40	30	0.39	1.11	0.76
30150	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.44	44	26	0.33	1.03	0.94
30151	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.24	40	20	0.34	0.82	1.6
30152	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.2	46	26	0.34	0.9	1.16

30153	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.33	46	23	0.33	1.02	1.14
30154	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.53	44	27	0.35	0.76	1.34
30155	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.26	59	31	0.28	0.82	1.47
30156	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.55	56	17	0.32	0.73	1.33
30157	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.47	54	15	0.33	0.76	1.31
30158	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.1	42	22	0.33	1.08	0.9
30159	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.4	41	25	0.36	0.55	1.92
30160	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.65	44	27	0.34	1.09	0.88

30161	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.18	46	28	0.33	0.85	1.26
30162	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.13	43	13	0.36	1.22	0.67
30163	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.41	40	17	0.34	1.11	0.56
30164	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.96	54	40	0.34	0.67	1.35
30165	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.84	42	14	0.35	1.04	1.04
30166	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.06	52	29	0.3	0.79	1.53
30167	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.65	42	27	0.35	0.75	1.43
30168	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.55	44	19	0.33	0.95	0.94
30169	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.44	50	22	0.31	0.98	0.88

30170	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.6	42	18	0.34	0.86	1.45
30171	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.55	39	9	0.4	1.35	0.79
30172	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	3.18	41	3	0.62	0.73	1.01
30173	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.96	44	6	0.45	1.36	0.88
30174	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.35	42	11	0.38	0.88	1.11
30175	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.96	50	19	0.32	0.75	1.58
30176	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.73	42	16	0.35	1.01	0.93
30177	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.41	44	17	0.34	0.86	1.24
30178	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.14	50	15	0.34	1.03	1.12
30179	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.88	44	7	0.43	1.22	0.9



30180	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.91	44	8	0.42	1.67	0.66
30181	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.1	42	6	0.46	0.65	1.11
30182	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.07	43	7	0.44	1.27	0.96
30183	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.9	42	8	0.42	0.87	0.97
30184	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.17	40	12	0.39	0.89	1.1
30185	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.39	44	14	0.36	1.1	0.85
30186	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.2	44	21	0.34	0.58	1.86
30187	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.02	42	13	0.36	0.96	1.14
30188	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.01	42	22	0.35	0.75	1.48
30189	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.43	42	10	0.4	0.53	1.36
30190	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.04	38	23	0.37	0.99	0.94
30191	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.45	39	10	0.39	0.88	1.14
30192	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.43	44	19	0.33	1.04	0.93
30193	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.11	44	15	0.35	1.61	0.1

30194	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.86	48	18	0.32	0.9	1.14
30195	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.88	43	14	0.37	1.01	0.95
30196	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.63	40	15	0.36	0.99	0.96
30197	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.62	39	8	0.43	1.05	0.94
30198	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.14	42	24	0.34	0.78	1.48
30199	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.15	42	14	0.36	1.07	0.85
30200	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.03	42	25	0.34	1.02	0.78
30201	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.98	39	26	0.36	0.9	1.16
30202	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.03	42	23	0.35	0.91	1.01
30203	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.76	38	27	0.39	0.94	1.07
30204	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.36	39	24	0.36	0.75	1.48
30205	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.33	41	20	0.34	1.08	0.7
30206	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.15	44	32	0.37	1.05	0.92
30207	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.82	38	26	0.38	0.83	1.19
30208	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.32	42	11	0.38	1.81	0.57

30209	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.47	52	33	0.32	0.92	1.01
30210	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.72	38	25	0.37	0.7	1.52
30211	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.78	44	40	0.6	0.56	1.17
30212	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-6.41	41	40	1.02	1.5	0.98
30213	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.36	40	34	0.5	0.31	1.36
30214	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-3.29	58	55	0.68	0.73	1.09
30215	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-3.01	46	42	0.61	0.22	1.26
30216	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.23	62	55	0.45	0.9	1.05
30217	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-6.79	41	40	1.01	0.23	1.03
30218	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.78	57	53	0.53	0.75	1.01
30219	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.36	61	55	0.47	1.75	0.94
30220	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.82	57	53	0.59	0.33	1.14
30221	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.15	53	9	0.4	1.33	0.85
30222	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.94	58	11	0.35	0.83	1.07
30223	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.76	42	16	0.35	0.85	1.23
30224	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	6.94	39	1	1.01	2.73	0.97
30225	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.43	38	16	0.36	1.31	0.37
30226	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.84	49	10	0.38	1.84	0.49
30227	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.49	42	5	0.5	1.13	0.95

30228	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.86	41	7	0.43	1.05	0.9
30229	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.6	48	6	0.45	1.34	0.8
30230	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.25	43	21	0.33	0.82	1.47
30231	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	3.21	57	3	0.6	1.11	0.99
30232	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.05	47	25	0.32	0.79	1.53
30233	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.49	49	30	0.32	0.9	1.11
30234	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	3.71	41	2	0.74	0.94	0.96
30235	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.52	56	7	0.42	0.56	1.15
30236	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1.43	55	44	0.36	1.2	1.04
30237	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1.13	43	32	0.38	1	0.93
30238	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.92	47	32	0.34	0.77	1.27
30239	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1.02	61	42	0.3	1.07	0.88
30240	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.4	43	25	0.34	0.77	1.53
30241	Number and Operations	Identify equivalent fractions using models including the number line.	1.02	54	20	0.3	1.12	0.85
30242	Number and Operations	Identify equivalent fractions using models including the number line.	0.22	42	19	0.33	0.92	1.17
30243	Number and Operations	Identify equivalent fractions using models including the number line.	0.99	48	13	0.35	1.12	1.01
30244	Number and Operations	Identify equivalent fractions using models including the number line.	0.9	43	15	0.34	0.75	1.6

30245	Number and Operations	Identify equivalent fractions using models including the number line.	1.05	42	15	0.35	0.88	1.04
30246	Number and Operations	Identify equivalent fractions using models including the number line.	0.45	43	18	0.34	0.95	0.97
30247	Number and Operations	Identify equivalent fractions using models including the number line.	0.67	48	19	0.32	0.97	1.04
30248	Number and Operations	Identify equivalent fractions using models including the number line.	0.74	51	18	0.31	1.81	0.83
30249	Number and Operations	Identify equivalent fractions using models including the number line.	0.06	45	24	0.33	1.27	0.65
30250	Number and Operations	Identify equivalent fractions using models including the number line.	0.23	41	18	0.34	0.85	1.39
30251	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-3.11	54	51	0.62	1	0.95
30252	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.39	42	31	0.38	1.26	0.86
30253	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.93	45	42	0.61	0.65	1.05
30254	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.59	43	39	0.54	0.67	1.07
30255	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-3.27	40	38	0.74	1.04	0.96
30256	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-3	48	45	0.63	1.01	0.97
30257	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.41	43	33	0.4	1.94	0.54
30258	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.97	44	36	0.43	1.22	0.89
30259	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-6.77	52	51	1.01	0.88	0.99
30260	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-3.68	41	39	0.77	0.33	1.07
30261	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.83	2528	2350	0.08	0.83	1.07
30262	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-6.88	51	50	1.07	0.59	0.99
30263	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-3.63	51	49	0.74	0.94	1.01
30264	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-3.34	43	41	0.73	0.57	1.04

30265	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0	0	0	0	1	1
30266	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.1	55	49	0.45	0.63	1.11
30267	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.51	42	38	0.57	0.34	1.21
30268	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-3.16	42	40	0.74	0.4	1.09
30269	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.67	41	38	0.62	0.81	1
30270	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.25	42	32	0.38	0.79	1.2
30271	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.72	46	41	0.52	1.86	0.79
30272	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-3.63	45	43	0.74	0.56	1.05
30273	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-5.56	39	38	1.22	0.03	1.22
30274	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0	0	0	0	1	1
30275	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.43	39	25	0.36	0.97	1
30276	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.87	46	33	0.35	0.96	0.95
30277	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-7.05	53	52	1.04	0.06	1.06
30278	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-3.71	42	40	0.91	0.19	1.16

30279	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-3.18	46	43	0.64	0.91	0.97
30280	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-3.46	49	47	0.78	0.27	1.2
30281	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.11	44	38	0.48	0.66	1.13
30282	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-3.64	39	37	0.75	0.52	1.04
30283	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-6.83	55	54	1.01	0.76	1
30284	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-3.58	48	46	0.75	0.67	1.06
30285	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-3.47	41	39	0.75	0.73	1.05
30286	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.34	41	37	0.56	0.45	1.2
30287	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.57	48	43	0.54	0.26	1.27
30288	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-6.47	41	40	1.01	2.58	0.97
30289	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.15	39	34	0.51	1.16	0.8
30290	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.32	44	34	0.38	0.91	0.92
30291	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.71	41	28	0.36	1.21	0.56
30292	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	2.68	46	5	0.5	2.4	0.66

30293	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	2.41	48	6	0.45	1.17	0.94
30294	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.46	49	12	0.36	1.36	0.61
30295	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.36	42	10	0.39	1.82	0.34
30296	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.6	47	21	0.32	0.96	1.13
30297	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.31	46	24	0.32	0.93	1.13
30298	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.81	37	15	0.36	1.26	0.51
30299	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.89	49	17	0.32	0.81	1.35
30300	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0	42	22	0.36	1.2	0.83
30302	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.29	43	21	0.33	0.72	1.79
30303	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.27	61	32	0.28	0.74	1.83
30304	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.01	58	32	0.29	1.26	0.55



30305	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.02	56	33	0.3	0.78	1.51
30306	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.61	43	16	0.35	0.8	1.29
30307	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.37	50	32	0.31	1.04	0.81
30308	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.16	43	23	0.33	1.11	0.66
30309	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.67	47	30	0.33	0.96	1.02
30310	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.6	46	19	0.33	0.77	1.56
30311	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.17	44	23	0.33	0.91	1.22
30312	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.24	44	24	0.33	1.13	0.59

30313	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.84	40	15	0.36	1.01	0.98
30314	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.88	44	31	0.37	1.06	0.82
30315	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.35	42	21	0.33	0.89	1.34
30316	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.08	55	28	0.29	0.7	2.01
30317	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.32	45	29	0.34	0.72	1.44
30318	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.33	42	26	0.34	0.86	1.26
30319	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.05	50	27	0.31	1.08	0.92
30320	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.91	45	17	0.34	1.15	0.61
30321	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.41	48	13	0.35	1.29	0.79

30322	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.36	53	7	0.44	1.31	0.82
30323	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.81	43	9	0.4	1.58	0.58
30324	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.03	46	8	0.41	1.1	1
30325	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.53	41	10	0.39	0.91	1.09
30326	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.47	40	18	0.34	1	1.04
30327	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.08	50	27	0.31	1.21	0.92
30328	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.81	41	18	0.35	1.18	0.91
30329	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.75	45	10	0.39	0.76	1.14
30330	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.54	43	10	0.39	1.42	0.59
30331	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.15	41	8	0.43	1.42	0.65

30332	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.34	44	14	0.36	1.78	0.81
30333	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.91	52	11	0.35	0.73	1.16
30334	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.52	47	11	0.37	1.09	0.84
30335	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.55	41	17	0.35	1.17	0.55
30336	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.31	40	23	0.34	1.01	0.95
30337	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.65	44	18	0.35	1.16	0.72
30338	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.01	41	22	0.35	0.67	1.62
30339	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.42	50	14	0.35	0.73	1.23
30340	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.01	47	28	0.33	1.15	0.65
30341	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.5	50	13	0.34	1.06	0.97
30342	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.33	46	26	0.32	0.77	1.72
30343	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.97	42	12	0.37	3.67	0.38
30344	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.05	50	25	0.3	0.77	1.89
30345	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.06	48	15	0.33	0.87	1.16
30346	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.08	45	26	0.33	0.96	1.16
30347	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.1	42	12	0.37	0.73	1.23

30348	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.15	45	23	0.33	0.72	1.6
30349	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.35	40	14	0.38	0.84	1.16
30350	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.32	51	31	0.32	1.6	0.86
30351	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.38	41	10	0.39	1.69	0.4
30352	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.28	55	14	0.33	0.78	1.23
30353	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.84	51	18	0.31	0.95	1.1
30354	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.57	54	42	0.35	1.25	0.86
30355	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	2.79	47	5	0.49	1.24	0.88
30356	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.33	53	14	0.34	1.14	0.78
30357	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.81	37	30	0.47	1.67	0.46
30358	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-2.35	41	37	0.55	1.25	0.84
30359	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.5	54	22	0.31	0.75	1.46
30360	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.38	44	35	0.4	1.49	0.61
30361	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.39	38	29	0.42	0.96	0.93
30362	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.52	46	28	0.33	1.08	0.79
30363	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.53	51	41	0.39	1.66	0.79
30364	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.18	2506	1440	0.04	0.99	1.01

30365	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	0.08	48	24	0.32	1.04	0.99
30366	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.85	44	27	0.34	0.9	1.33
30367	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.88	48	35	0.36	0.79	1.16
30368	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.87	53	45	0.4	0.73	1.07
30369	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.5	45	28	0.33	0.94	1.09
30370	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.56	44	36	0.41	0.72	1.12
30371	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	3.99	45	2	0.74	0.59	1.01
30372	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.09	48	26	0.31	1.05	0.72
30373	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	7.52	53	1	1.01	3.74	0.95
30374	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.02	41	22	0.33	1.21	0.08
30375	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.14	49	15	0.34	0.82	1.24
30376	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.47	42	18	0.36	1.15	0.93
30377	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.23	42	6	0.47	0.91	0.98
30378	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.01	41	7	0.44	1.13	0.82
30379	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.33	47	6	0.46	1.58	0.76
30380	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.47	42	5	0.49	0.82	1.03
30381	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	0.08	39	19	0.36	0.89	1.21
30382	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.97	37	24	0.38	0.65	1.47
30383	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.64	44	30	0.36	0.71	1.35

30384	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1.18	44	35	0.42	0.72	1.27
30385	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.99	44	31	0.36	1.15	0.83
30386	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.86	41	30	0.38	0.58	1.49
30387	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.47	48	32	0.34	0.57	1.59
30388	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.63	46	31	0.35	0.7	1.38
30389	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.06	45	25	0.34	0.91	1.2
30390	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	3.04	42	3	0.62	1.95	0.88
30391	Number and Operations	Identify equivalent fractions using models including the number line.	0.45	56	27	0.29	1.16	0.57
30392	Number and Operations	Identify equivalent fractions using models including the number line.	0.8	43	16	0.34	1.22	0.36
30393	Number and Operations	Identify equivalent fractions using models including the number line.	0.49	42	17	0.34	1.27	0.27
30394	Number and Operations	Identify equivalent fractions using models including the number line.	0.24	39	19	0.34	0.84	1.59
30395	Number and Operations	Identify equivalent fractions using models including the number line.	2.83	41	3	0.62	0.4	1.14
30396	Number and Operations	Identify equivalent fractions using models including the number line.	2.35	42	6	0.47	1.47	0.88
30397	Number and Operations	Identify equivalent fractions using models including the number line.	1.36	41	12	0.38	0.83	1.12
30398	Number and Operations	Identify equivalent fractions using models including the number line.	1.21	42	13	0.36	1.21	0.65
30399	Number and Operations	Identify equivalent fractions using models including the number line.	0.15	43	21	0.33	1.07	0.75
30400	Number and Operations	Identify equivalent fractions using models including the number line.	1.54	44	10	0.39	1.31	0.81
30401	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.52	44	40	0.55	0.68	1.12
30402	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.54	43	34	0.41	0.57	1.29

30403	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.61	50	46	0.55	1.6	0.83
30404	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-3.24	46	43	0.64	1.15	0.94
30405	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.48	42	19	0.34	1.11	0.65
30406	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.48	39	31	0.44	1.26	0.89
30407	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.46	42	19	0.34	0.97	1.02
30408	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.42	55	46	0.39	0.86	1.04
30409	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.97	40	12	0.37	0.98	1.09
30410	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.88	43	31	0.36	0.7	1.38
30411	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.4	43	34	0.41	1.34	1.05
30412	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.66	52	44	0.41	0.87	1
30413	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.01	43	32	0.38	1.18	0.73
30414	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.18	46	24	0.32	0.95	1.1
30415	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.93	51	48	0.61	0.71	1.01
30416	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.95	45	39	0.46	1.12	1.04
30417	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.46	43	19	0.33	0.79	1.5
30418	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.2	47	26	0.32	0.93	1.2
30419	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.67	40	26	0.37	0.97	0.96



30420	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.53	42	27	0.35	1.06	0.84
30421	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.49	42	33	0.41	0.71	1.13
30422	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.28	39	31	0.43	0.77	1.09
30423	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	1.32	45	14	0.35	1.24	0.59
30424	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.39	44	33	0.42	0.85	1.05
30425	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.29	43	33	0.39	1.04	1.08
30426	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.28	44	33	0.38	0.88	1.17
30427	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.24	40	29	0.38	1.45	0.59
30428	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.09	38	33	0.52	1.6	0.63
30429	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.97	40	34	0.47	1.3	0.95
30430	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.08	42	32	0.39	1.3	0.84
30431	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.62	41	31	0.42	0.71	1.11
30432	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1	45	34	0.38	1.1	1.09
30433	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.3	41	30	0.38	0.8	1.18

30434	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.69	38	27	0.39	0.66	1.42
30435	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.99	43	37	0.46	0.61	1.16
30436	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.02	54	46	0.42	1.19	0.86
30437	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.98	41	29	0.37	1.05	0.81
30438	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.89	42	35	0.47	1.15	0.94
30439	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.67	44	35	0.42	0.7	1.11
30440	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.58	54	24	0.3	0.8	1.5
30441	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.75	48	19	0.32	1.09	0.83
30442	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.45	39	9	0.41	1.54	0.71
30443	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.94	45	13	0.36	1.14	1.06
30444	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.67	42	17	0.35	0.94	1.02
30445	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.13	43	13	0.37	0.98	0.91
30446	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.49	48	22	0.31	0.95	1.15
30447	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.09	42	12	0.37	1.48	0.75

30448	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.65	58	41	0.32	0.69	1.33
30449	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.89	48	15	0.33	0.78	1.36
30450	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.16	40	22	0.34	1.19	0.58
30451	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.46	41	11	0.38	1.34	0.51
30452	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.83	46	15	0.34	0.9	1.13
30453	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.51	44	9	0.4	0.77	1.19
30454	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.83	46	16	0.34	2.03	0.82
30455	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.16	49	15	0.34	1.04	1.03
30456	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.89	37	9	0.42	1.41	0.88

30457	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-2.04	47	41	0.45	0.96	1.08
30458	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.43	40	33	0.43	1.03	0.94
30459	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.41	45	22	0.32	0.93	1.11
30460	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	2.04	2517	431	0.06	1.32	0.91
30461	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.23	47	13	0.35	0.73	1.29
30462	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.45	48	12	0.36	1.45	0.95
30463	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.79	49	10	0.38	0.78	1.12
30464	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	2.39	44	6	0.47	0.77	1.14

30465	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	2.87	47	4	0.54	1.01	0.92
30466	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.36	44	12	0.38	0.87	1
30467	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.27	42	11	0.38	0.8	1.16
30468	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	3.68	39	2	0.74	1.13	0.96
30469	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.11	56	8	0.4	1.69	0.88
30470	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.25	47	15	0.35	1.67	0.15
30471	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.72	53	12	0.35	1.38	0.79
30472	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.77	48	5	0.51	0.84	1.02
30473	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.99	60	20	0.3	1.22	0.74

30474	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.57	48	11	0.37	1.12	0.82
30475	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.12	43	14	0.35	0.91	1.09
30476	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-1.07	48	35	0.35	1.16	0.81
30477	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.18	49	24	0.32	1.01	0.94
30478	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-1.35	54	44	0.37	0.96	0.95
30479	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.55	41	17	0.34	1.13	0.88
30480	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.74	43	17	0.35	0.75	1.36
30481	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.62	43	15	0.35	1.34	0.81
30482	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.17	43	13	0.35	0.98	1.04
30483	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.82	43	16	0.34	0.9	1.14

30484	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.09	51	16	0.32	1.26	1.13
30485	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	3	48	4	0.54	1.22	0.94
30486	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.79	46	8	0.43	1.95	0.79
30487	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.8	43	14	0.35	1.13	0.73
30488	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.4	52	16	0.33	1.07	0.88
30489	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	2.04	49	8	0.42	1.4	0.89
30490	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.15	58	20	0.3	1.13	0.82
30491	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.66	52	13	0.34	0.8	1.1
30492	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.02	54	18	0.32	1.17	0.72
30493	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.16	49	27	0.31	1.13	0.53
30494	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.13	44	20	0.33	0.69	1.72
30495	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.1	46	21	0.33	1.3	0.3
30496	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.47	51	34	0.32	0.86	1.13
30497	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.33	39	25	0.37	0.8	1.36
30498	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.6	41	18	0.34	0.98	0.98
30499	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.48	51	32	0.31	0.94	1.08
30500	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.41	55	34	0.3	1.6	0.09

30501	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.7	46	11	0.36	0.84	1.09
30502	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.37	42	26	0.35	1.47	0.83
30503	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.13	44	33	0.37	0.89	1.01
30504	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.62	43	18	0.33	0.88	1.27
30505	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.83	43	9	0.41	0.84	1.16
30506	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.99	42	13	0.35	1	0.92
30507	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0	41	21	0.36	0.99	0.87
30508	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.2	47	14	0.35	0.89	1.05
30509	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.21	41	21	0.35	0.6	1.87
30510	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.98	40	15	0.36	0.72	1.58
30511	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.54	41	32	0.41	1.3	0.81
30512	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.49	42	34	0.43	1.11	0.88
30513	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.84	45	39	0.46	1.5	0.87
30514	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.23	45	40	0.52	1.54	0.92
30515	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.02	40	20	0.36	0.84	1.27
30516	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.02	44	32	0.37	0.63	1.4



30517	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.01	44	33	0.38	0.89	1.12
30518	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.48	43	40	0.61	0.62	1.04
30519	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.04	47	35	0.38	0.9	1.07
30520	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.46	42	34	0.43	0.93	1.01
30521	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.02	47	18	0.32	1.23	0.22
30522	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2	44	7	0.43	1.16	0.8
30523	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.91	42	15	0.35	1.1	0.8
30524	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.93	59	6	0.47	2.41	0.58
30525	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.85	42	30	0.38	1	1.04
30526	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.51	41	26	0.35	0.91	1.11
30527	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.22	44	23	0.34	1.06	0.84
30528	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.61	44	29	0.36	1.17	0.77
30529	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.03	43	15	0.35	1.3	0.6
30530	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.86	41	13	0.36	1.46	0.75
30531	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	0	0	0	0	1	1
30532	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	3.58	41	2	0.73	2.45	0.94
30533	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.81	47	5	0.51	0.77	1.09
30534	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	0	0	0	0	1	1

30535	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.08	43	13	0.37	1.82	0.22
30536	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	0.07	41	21	0.33	0.94	1.12
30537	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.52	43	5	0.51	1.56	0.79
30538	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.97	48	8	0.41	1.01	0.98
30539	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.03	41	12	0.36	1.04	1.03
30540	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	0.28	42	18	0.34	0.91	1.19
30541	Number and Operations	Identify equivalent fractions using models including the number line.	2.18	41	8	0.42	1.92	0.44
30542	Number and Operations	Identify equivalent fractions using models including the number line.	-1.36	43	34	0.4	0.93	0.97
30543	Number and Operations	Identify equivalent fractions using models including the number line.	3.26	44	3	0.62	5.01	0.74
30544	Number and Operations	Identify equivalent fractions using models including the number line.	-0.51	42	26	0.34	0.87	1.24
30545	Number and Operations	Identify equivalent fractions using models including the number line.	-1.66	40	32	0.44	0.46	1.38
30546	Number and Operations	Identify equivalent fractions using models including the number line.	1.16	41	12	0.37	1.49	0.62
30547	Number and Operations	Identify equivalent fractions using models including the number line.	-1.71	38	33	0.5	0.49	1.23
30548	Number and Operations	Identify equivalent fractions using models including the number line.	2.18	49	7	0.44	1.24	0.9
30549	Number and Operations	Identify equivalent fractions using models including the number line.	-1.06	43	31	0.37	0.92	0.92
30550	Number and Operations	Identify equivalent fractions using models including the number line.	-0.24	38	22	0.36	1.36	0.15
30551	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-3.03	44	41	0.63	1.02	0.98
30552	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.53	60	49	0.35	1.08	1
30553	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.6	48	44	0.56	0.43	1.17
30554	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.22	43	24	0.34	1.08	0.87

30555	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.56	44	30	0.35	1.64	0.42
30556	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.07	49	36	0.35	1.22	0.95
30557	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.99	43	31	0.37	0.73	1.31
30558	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.44	37	34	0.62	0.53	1.09
30559	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.27	44	35	0.4	0.69	1.2
30560	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.96	39	31	0.46	1.51	0.47
30561	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.47	44	28	0.35	1.2	0.71
30562	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.61	44	29	0.35	0.79	1.3
30563	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.79	53	36	0.32	0.79	1.27
30564	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.64	44	19	0.33	0.83	1.3
30565	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.62	43	28	0.35	0.98	0.97
30566	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.93	39	28	0.4	0.88	1.16
30567	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.94	56	20	0.3	0.96	1
30568	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.67	43	29	0.35	1.21	0.73
30569	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.1	50	25	0.31	0.89	1.27
30570	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.16	51	31	0.31	0.77	1.57

30571	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.06	39	23	0.36	1.04	1.06
30572	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.23	42	24	0.35	0.53	1.93
30573	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.63	42	17	0.35	0.98	1
30574	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	1.07	42	12	0.38	0.97	1.02
30575	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.74	43	19	0.33	1.05	0.86
30576	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.48	42	17	0.35	0.8	1.36
30579	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.21	41	30	0.38	0.76	1.2
30580	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.43	51	41	0.38	0.76	1.14
30583	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.38	42	32	0.4	0.93	1.13
30584	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.77	39	25	0.38	0.61	1.47
30585	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.07	41	31	0.4	2.48	0.46
30586	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	1.55	51	15	0.34	1.07	0.76
30587	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.1	41	29	0.38	1.01	0.93
30588	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.77	48	40	0.41	0.85	0.98

30589	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.65	43	37	0.46	0.67	1.15
30590	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.37	47	43	0.54	1.21	0.91
30591	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.66	40	37	0.63	0.78	0.99
30592	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.54	42	33	0.41	0.82	1.09
30593	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.99	49	35	0.34	0.98	1.04
30594	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.49	39	36	0.62	0.45	1.14
30595	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.56	43	38	0.56	0.68	1.13
30596	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.85	46	43	0.61	0.53	1.06
30597	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.56	42	37	0.51	0.6	1.15
30598	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.06	42	37	0.5	1.6	0.84
30599	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.68	41	28	0.37	1.02	1.03
30600	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.04	46	34	0.36	0.96	1.01
30601	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.62	45	37	0.42	0.47	1.32

30602	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.28	2526	1503	0.04	0.94	1.12
30603	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-2.07	43	38	0.5	0.5	1.18
30604	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.83	44	37	0.44	1.21	0.89
30605	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.03	45	24	0.34	0.93	0.98
30606	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.69	42	29	0.37	0.81	1.16
30607	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.09	45	23	0.33	0.88	1.2
30608	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.23	44	22	0.35	0.81	1.33
30609	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.61	39	27	0.37	0.7	1.47

30610	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.59	44	36	0.42	0.62	1.16
30611	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.77	42	18	0.36	1.12	0.85
30612	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.4	43	34	0.39	1.2	1.08
30613	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.37	47	38	0.41	0.8	0.97
30614	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.15	2518	1275	0.04	1.06	0.99
30615	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.27	44	25	0.34	1.02	1.03
30616	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.14	58	35	0.29	0.83	1.28
30617	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-3.33	41	39	0.77	0.26	1.15

30618	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-1.17	43	33	0.39	0.85	1.06
30619	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.02	42	22	0.34	0.96	1.07
30620	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.3	44	26	0.34	0.85	1.3
30621	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-2	43	39	0.54	0.46	1.16
30622	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-1.04	43	32	0.37	0.88	1.08
30623	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-1.87	58	49	0.39	0.69	1.14
30624	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.39	60	28	0.28	1.2	0.41
30625	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.71	46	17	0.34	1.12	0.65
30626	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.1	53	29	0.29	1.09	0.61
30627	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.51	43	27	0.34	0.9	1.17



30628	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.52	43	28	0.36	0.8	1.32
30629	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.47	45	28	0.34	1.1	0.76
30630	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.12	47	26	0.32	0.83	1.45
30631	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.28	41	20	0.37	0.7	1.11
30632	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.11	39	13	0.37	0.72	1.43
30633	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.47	44	18	0.34	0.99	1.02
30634	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.94	42	15	0.35	0.7	1.54
30635	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.83	42	32	0.39	0.71	1.27
30636	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.29	44	26	0.34	0.94	1.15
30637	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.09	44	22	0.34	0.87	1.18
30638	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.14	43	24	0.34	0.9	1.07
30639	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.64	44	30	0.35	1.01	0.9

30640	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.14	41	23	0.36	0.93	1.12
30641	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.92	56	41	0.32	0.68	1.34
30642	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.54	44	28	0.34	0.96	1.01
30643	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.58	42	18	0.34	0.74	1.66
30644	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.39	45	21	0.33	0.73	1.63
30645	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.1	46	13	0.35	1.1	0.87
30646	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.06	45	24	0.33	1	0.97
30647	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.71	46	10	0.38	1.22	0.73
30648	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	2.15	49	7	0.43	1.86	0.59
30649	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.21	46	24	0.33	0.91	1.15
30650	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.02	44	23	0.33	0.77	1.53
30651	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.16	40	24	0.34	1.09	1.02
30652	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.02	41	23	0.34	0.93	1.1
30653	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.79	45	18	0.32	0.94	1.07
30654	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.45	42	27	0.35	1.1	1.04
30655	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.42	49	31	0.33	0.86	1.23
30656	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.33	41	25	0.34	0.89	1.35

30657	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.61	43	17	0.34	0.93	1.41
30658	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.36	41	26	0.36	1.36	0.59
30659	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.63	42	18	0.34	0.82	1.34
30660	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.15	44	23	0.33	0.89	1.21
30661	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.54	40	25	0.36	0.89	1.1
30662	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	0.15	40	19	0.34	2.68	-0.94
30663	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	0.92	44	17	0.35	0.62	1.66
30664	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.81	41	9	0.41	1.25	0.85
30665	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	2.2	47	7	0.43	3.05	0.52
30666	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.38	37	22	0.37	0.84	1.19
30667	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.78	45	32	0.36	0.74	1.26
30668	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.06	46	23	0.32	0.86	1.34
30669	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.55	39	23	0.36	0.84	1.25
30670	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	0.57	43	20	0.34	1.13	1.35
30671	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.99	44	8	0.42	1.21	0.95
30672	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.03	44	24	0.33	0.74	1.55
30673	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.68	46	31	0.34	0.74	1.47
30674	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-1	43	30	0.36	0.79	1.34

30675	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.1	45	26	0.33	1.26	0.98
30676	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-1.08	42	30	0.37	0.96	1.15
30677	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.65	42	9	0.4	1.72	0.47
30678	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.43	41	11	0.39	1	0.95
30679	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.97	43	5	0.51	0.99	0.85
30680	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.77	42	9	0.4	1.16	0.78
30681	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.62	50	5	0.49	1.15	0.97
30682	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.56	40	10	0.4	1.93	0.37
30683	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.23	40	11	0.39	0.96	1.03
30684	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.27	40	12	0.39	1.47	0.4
30685	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.31	50	14	0.34	1.17	0.82
30686	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	0.31	41	18	0.34	1.18	0.44
30687	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.28	42	6	0.46	1.17	0.84
30688	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.75	59	13	0.34	0.89	1.07
30689	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.17	47	7	0.42	0.86	0.99
30690	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.26	42	6	0.47	1.4	0.72

30691	Number and Operations	Identify equivalent fractions using models including the number line.	1.72	46	10	0.38	1.22	0.88
30692	Number and Operations	Identify equivalent fractions using models including the number line.	2.78	42	4	0.55	1.02	0.95
30693	Number and Operations	Identify equivalent fractions using models including the number line.	1.73	43	8	0.42	0.98	1.12
30694	Number and Operations	Identify equivalent fractions using models including the number line.	1.85	40	9	0.4	0.76	1.17
30695	Number and Operations	Identify equivalent fractions using models including the number line.	2.92	42	4	0.56	2.32	0.79
30696	Number and Operations	Identify equivalent fractions using models including the number line.	2.77	49	5	0.49	1.02	0.92
30697	Number and Operations	Identify equivalent fractions using models including the number line.	1.46	48	12	0.36	0.81	1.22
30698	Number and Operations	Identify equivalent fractions using models including the number line.	0.35	43	17	0.35	3	-0.07
30699	Number and Operations	Identify equivalent fractions using models including the number line.	1.14	41	14	0.37	0.87	1.08
30700	Number and Operations	Identify equivalent fractions using models including the number line.	1.1	43	14	0.36	1.01	1.14
30701	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.6	49	44	0.5	1.02	0.97
30702	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.24	43	32	0.38	1.14	0.68
30703	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0	0	0	0	1	1
30704	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.75	44	32	0.36	1.03	0.91
30705	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.54	52	47	0.49	0.91	1.02
30706	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.67	51	47	0.54	0.71	1.06
30707	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.63	51	33	0.31	1.14	0.75
30708	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.58	51	40	0.37	0.87	1.03
30709	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.23	40	34	0.48	0.58	1.19
30710	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.43	56	46	0.38	1.06	1.02
30711	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.32	52	46	0.47	0.85	1.01

30712	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-3.02	43	40	0.65	1.93	0.96
30713	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.61	42	35	0.45	1.12	0.99
30714	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.62	43	36	0.45	0.8	1.03
30715	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.35	41	37	0.54	0.88	1.02
30716	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.57	44	36	0.43	0.57	1.24
30717	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.83	42	39	0.62	0.4	1.15
30718	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.72	49	41	0.41	0.66	1.16
30719	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.82	41	28	0.37	0.86	1.15
30720	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.25	42	32	0.39	1.03	0.86
30721	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.63	52	41	0.38	1.17	0.73
30722	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.38	44	40	0.54	1.14	0.92
30723	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.78	48	40	0.42	0.88	1.02
30724	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.02	43	29	0.36	1.05	0.82
30725	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.36	39	34	0.53	0.61	1.15
30726	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.07	50	26	0.31	1.35	0.1

30727	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.13	43	32	0.36	1.05	0.97
30728	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.48	56	51	0.48	0.68	1.09
30729	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.46	40	36	0.61	0.62	1.06
30730	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.97	47	42	0.49	1.58	0.87
30731	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.17	44	33	0.37	1.18	0.64
30732	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.18	39	35	0.55	0.83	1.05
30733	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.57	45	17	0.33	0.74	1.55
30734	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.33	45	34	0.38	1.25	0.82
30735	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.42	52	25	0.3	1.14	0.48
30736	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.58	44	17	0.33	1.02	0.9
30737	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.63	40	16	0.35	1.23	0.64
30738	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.67	50	29	0.32	0.7	1.54
30739	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-6.91	42	41	1.06	0.09	1.06
30740	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-3.1	54	51	0.61	0.56	1.08

30741	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.3	42	38	0.57	2.37	0.72
30742	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.79	47	40	0.44	0.81	1.01
30743	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.93	48	41	0.43	1.82	0.6
30744	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.89	44	37	0.44	1.5	1.02
30745	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.48	42	34	0.43	0.77	1.09
30746	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.6	44	35	0.41	0.76	1.2
30747	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.09	54	30	0.3	1.1	0.84
30748	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.19	48	38	0.38	1.41	0.82
30749	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.1	54	41	0.34	1.65	0.62
30750	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.26	43	39	0.58	0.96	0.99
30751	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.94	44	10	0.39	0.97	1.04
30752	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.95	39	32	0.44	0.73	1.18



30753	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.34	46	36	0.38	0.73	1.19
30754	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.33	41	25	0.36	1.08	0.9
30755	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.96	40	13	0.36	1.19	0.57
30756	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.76	42	36	0.46	0.8	1.08
30757	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.22	41	23	0.34	0.87	1.32
30758	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.48	50	32	0.32	1.1	0.99
30759	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.13	43	11	0.38	1.25	0.84
30760	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-2.25	42	36	0.49	0.48	1.22

30761	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-2.66	43	39	0.56	0.87	1.08
30762	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.23	42	22	0.34	1.02	0.85
30763	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.37	38	24	0.37	0.86	1.12
30764	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.05	43	31	0.36	1.22	0.75
30765	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.6	42	28	0.36	0.8	1.3
30766	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.49	44	28	0.34	0.94	0.97
30767	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.77	42	31	0.37	1.02	0.98
30768	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.36	39	10	0.4	0.92	1.01

30769	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.89	44	10	0.41	0.8	1.14
30770	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.4	44	11	0.38	1.29	0.75
30771	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.8	42	8	0.42	1.64	0.61
30772	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.4	41	11	0.38	0.76	1.25
30773	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.04	42	12	0.36	1.06	0.92
30774	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.5	44	6	0.48	1.11	0.74
30775	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.64	42	8	0.42	0.88	0.99
30776	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.09	42	6	0.46	1.64	0.69
30777	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.48	46	10	0.38	1.17	0.75
30778	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.2	44	14	0.36	1.13	0.77

30779	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.62	42	9	0.4	0.65	1.24
30780	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.32	45	5	0.49	1.03	0.94
30781	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.88	38	8	0.42	1.22	0.76
30782	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.16	49	8	0.41	1.1	0.86
30783	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.52	42	9	0.4	0.97	0.91
30784	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.96	48	18	0.34	1.41	0.69
30785	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.43	42	12	0.39	0.87	1.21
30786	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.48	56	25	0.3	0.95	0.98
30787	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.49	42	12	0.37	1.16	0.75
30788	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.75	44	18	0.34	0.93	1.09
30789	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.03	47	13	0.34	0.91	1.31
30790	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.64	41	8	0.41	1.04	0.98
30791	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	2.02	44	6	0.46	0.69	1.11
30792	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	2.19	40	5	0.49	1.44	0.93

30793	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.65	47	10	0.37	0.94	1.05
30794	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.87	42	8	0.42	0.81	1.11
30795	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.24	38	22	0.36	0.83	1.38
30796	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.05	37	12	0.39	1.21	0.91
30797	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.71	45	19	0.33	1.09	0.77
30798	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.31	42	14	0.36	0.95	0.97
30799	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.68	46	29	0.34	1.13	0.59
30800	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.41	42	11	0.38	1.05	0.9
30801	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.06	41	23	0.35	0.8	1.38
30802	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.48	39	16	0.36	0.99	0.94
30803	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.89	45	8	0.42	0.7	1.19
30804	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.88	46	16	0.34	1.17	0.87
30805	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.16	46	37	0.4	1.02	1.06
30806	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.06	42	12	0.37	0.93	1.13
30807	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.5	45	28	0.34	0.81	1.28
30808	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.52	40	24	0.36	1.04	0.81

30809	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.5	46	20	0.33	0.88	1.32
30810	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.67	50	21	0.31	0.73	1.52
30811	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.61	40	36	0.55	0.89	0.99
30812	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-3.05	52	49	0.62	0.93	0.96
30813	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.76	44	36	0.43	0.58	1.21
30814	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-3.06	47	45	0.73	1.01	0.98
30815	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-3.54	44	42	0.86	0.32	1.14
30816	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	0	0	0	0	1	1
30817	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.14	42	37	0.5	0.63	1.14
30818	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.8	50	46	0.59	0.86	1.05
30819	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.99	53	50	0.61	0.63	1.06
30820	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.14	43	38	0.5	1.17	0.96
30821	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0	0	0	0	1	1
30822	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.41	44	11	0.37	2.46	0.3
30823	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.34	51	23	0.32	1.1	0.7
30824	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.54	45	6	0.48	1.08	0.99
30825	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.02	45	25	0.32	0.97	1.21
30826	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.36	49	6	0.46	0.79	1.03

30827	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	3.16	43	4	0.55	2.53	0.72
30828	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.42	44	5	0.49	1.25	0.88
30829	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	3.2	44	3	0.61	2.01	0.89
30830	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.29	40	18	0.34	1.15	0.6
30831	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.8	55	39	0.33	0.66	1.33
30832	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.31	53	32	0.31	0.73	1.48
30833	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.49	54	36	0.31	0.97	1.06
30834	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.21	44	25	0.34	0.9	1.23
30835	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1.22	54	42	0.35	0.81	1.15
30836	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	0.11	41	22	0.36	0.9	1.11
30837	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1.02	44	31	0.36	0.82	1.15
30838	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.09	43	24	0.35	0.71	1.52
30839	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.13	42	6	0.46	1.18	0.97
30840	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.99	49	35	0.35	0.76	1.32
30841	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.01	49	30	0.32	1.05	0.82
30842	Number and Operations	Identify equivalent fractions using models including the number line.	-0.29	47	27	0.32	0.78	1.54

30843	Number and Operations	Identify equivalent fractions using models including the number line.	1.85	46	10	0.38	1.23	0.68
30844	Number and Operations	Identify equivalent fractions using models including the number line.	0.72	42	14	0.37	0.74	1.31
30845	Number and Operations	Identify equivalent fractions using models including the number line.	1.67	42	7	0.44	0.87	0.99
30846	Number and Operations	Identify equivalent fractions using models including the number line.	0.82	41	14	0.36	1.15	0.71
30847	Number and Operations	Identify equivalent fractions using models including the number line.	0.75	43	17	0.34	0.72	1.63
30848	Number and Operations	Identify equivalent fractions using models including the number line.	2.37	43	5	0.49	0.97	1.05
30849	Number and Operations	Identify equivalent fractions using models including the number line.	0.7	40	17	0.35	1.02	0.91
30850	Number and Operations	Identify equivalent fractions using models including the number line.	0.25	51	26	0.3	1.19	0.65
30851	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.7	43	34	0.43	0.71	1.17
30852	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.71	43	28	0.36	1.03	0.83
30853	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.91	43	14	0.35	0.79	1.22
30854	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.63	42	35	0.43	0.58	1.23
30855	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.02	44	23	0.32	1.18	0.47
30856	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.43	49	24	0.32	0.87	1.29
30857	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.46	53	13	0.34	1.18	0.64
30858	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.3	50	15	0.33	0.98	1.01
30859	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.77	41	8	0.41	1.4	0.73
30860	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.27	40	20	0.35	1.12	0.5
30861	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.07	48	23	0.31	1.2	0.07
30862	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.48	43	29	0.35	0.9	1.19
30863	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.2	43	13	0.37	1.12	0.69



30864	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.6	40	32	0.43	0.74	1.19
30865	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.76	49	40	0.4	0.73	1.11
30866	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.19	45	35	0.39	1.34	0.72
30867	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.22	43	21	0.33	1.28	-0.03
30868	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.11	43	23	0.35	0.67	1.62
30869	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.45	44	35	0.4	0.52	1.37
30870	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.57	51	41	0.38	1.14	0.89
30871	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.92	46	32	0.34	1.29	0.74
30872	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.53	44	29	0.33	1.02	0.96
30873	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.33	59	54	0.48	0.57	1.12
30874	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.67	43	39	0.59	0.85	1.04
30875	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-3.18	55	52	0.67	0.84	0.81
30876	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.55	44	20	0.33	0.96	1.11
30877	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.73	56	46	0.37	0.95	1.05

30878	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.29	44	34	0.39	0.61	1.32
30879	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.58	48	24	0.31	1.26	0.19
30880	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	1.9	54	10	0.37	1.41	0.83
30881	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.17	42	20	0.34	1.15	0.6
30882	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	1.08	42	14	0.35	1.07	1.04
30883	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.5	43	16	0.34	1.35	0.21
30884	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.05	45	40	0.52	1.13	0.81
30885	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.11	45	24	0.34	1.13	0.53
30886	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	1.2	43	11	0.36	1.38	0.47
30887	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	1.07	43	13	0.37	1.27	0.5
30888	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-3.23	43	41	0.74	0.77	1
30889	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.44	43	39	0.54	0.98	0.95
30890	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.08	45	24	0.32	0.77	1.78
30891	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	2.03	43	7	0.45	1.41	0.86

30892	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.2	54	16	0.32	1.37	0.53
30893	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.6	45	13	0.36	1.58	0.62
30894	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.66	49	10	0.38	1.85	0.72
30895	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	2.24	53	9	0.39	1.26	0.88
30896	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.08	50	16	0.32	1.03	0.85
30897	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.55	50	21	0.31	0.86	1.31
30898	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.35	43	22	0.34	0.91	1.09
30899	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.9	49	16	0.33	1.04	0.94
30900	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.39	43	11	0.38	2.03	0.2
30901	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.8	41	8	0.41	1	1
30902	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.74	46	9	0.39	2.54	0.48
30903	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.31	43	14	0.35	1.23	0.51

30904	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.99	43	7	0.44	0.97	1.1
30905	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.92	54	10	0.37	1.08	0.95
30906	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.77	42	9	0.41	1.05	1.08
30907	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.15	49	37	0.36	0.91	1.01
30908	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	2.47	48	6	0.45	0.7	1.09
30909	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.81	48	17	0.32	0.88	1.35
30910	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.32	43	10	0.38	0.88	1.14
30911	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-2.19	46	41	0.5	0.53	1.14

30912	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.43	45	20	0.34	0.84	1.37
30913	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.18	41	11	0.39	0.85	1.2
30914	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.53	43	21	0.34	0.89	1.07
30915	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.19	45	25	0.32	1.19	0.43
30916	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	2.19	45	7	0.43	1.17	0.9
30917	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.73	44	30	0.35	0.98	1.01
30918	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.48	42	20	0.34	0.97	1.04
30919	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.7	46	10	0.38	1.64	0.53

30920	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.36	43	13	0.35	0.84	1.19
30921	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.11	46	24	0.32	1.47	0.8
30922	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.88	42	28	0.36	1.23	0.69
30923	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.16	44	14	0.35	1.28	0.58
30924	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.89	43	32	0.39	1.03	0.97
30925	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.11	48	17	0.34	0.88	1.05
30926	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.97	48	15	0.34	0.87	1.14
30927	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	3.22	47	3	0.65	0.64	1.11
30928	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.36	46	13	0.36	1.27	0.93
30929	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.14	49	17	0.33	1.05	0.94

30930	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.21	44	13	0.36	0.75	1.38
30931	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.14	40	6	0.48	0.82	1.08
30932	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.85	42	15	0.36	0.91	1.19
30933	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.7	52	21	0.31	0.93	1.19
30934	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.58	43	20	0.34	0.78	1.5
30935	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.56	45	12	0.36	0.78	1.27
30936	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.3	46	21	0.33	0.79	1.41
30937	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.76	42	9	0.41	0.58	1.29
30938	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.49	49	14	0.34	0.63	1.41
30939	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.82	40	14	0.36	1.63	-0.06
30940	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.08	43	14	0.36	1.08	0.86
30941	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.69	47	17	0.33	0.82	1.28
30942	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.34	41	10	0.4	0.72	1.22
30943	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.21	47	14	0.35	0.87	1.04

30944	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.19	57	18	0.32	0.88	1.1
30945	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.75	57	22	0.29	1.02	1.02
30946	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.23	44	20	0.32	1.11	0.59
30947	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.67	45	20	0.34	0.7	1.57
30948	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.65	49	13	0.36	1.25	0.53
30949	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.75	48	32	0.34	0.78	1.39
30950	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-2.03	48	40	0.43	0.91	1
30951	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.43	42	26	0.34	0.93	1.09
30952	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.1	45	24	0.32	0.92	1.29
30953	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.05	41	12	0.37	1.26	0.77
30954	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.64	42	16	0.34	1.48	0.09
30955	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.11	56	19	0.31	1.08	0.79
30956	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.23	49	15	0.34	1.33	0.65
30957	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.55	56	13	0.34	1.34	0.74
30958	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.28	44	12	0.36	1.09	0.94
30959	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.84	40	10	0.39	1.06	1.12



30960	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.86	43	17	0.34	0.7	1.65
30961	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.57	47	12	0.37	1.25	0.99
30962	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.51	56	14	0.33	0.91	1.08
30963	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.77	44	9	0.4	1.22	0.78
30964	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.76	42	31	0.37	0.73	1.32
30965	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.45	46	11	0.37	0.72	1.28
30966	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.86	41	8	0.44	1.08	0.95
30967	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.29	42	14	0.35	0.91	1.02
30968	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.22	47	13	0.36	0.88	1.07
30969	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.12	45	13	0.36	1.08	0.79
30970	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.7	44	10	0.39	0.88	1.15
30971	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.5	41	19	0.34	0.87	1.31
30972	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.03	44	23	0.34	0.89	1.16
30973	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.09	42	23	0.34	0.8	1.47
30974	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.32	57	27	0.29	0.96	1.05
30975	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.1	45	24	0.33	1.41	-0.02
30976	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.61	46	21	0.33	0.69	1.74
30977	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.78	51	21	0.32	0.83	1.29
30978	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.59	43	17	0.34	1.01	0.88

30979	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.59	52	23	0.31	0.95	0.97
30980	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.15	46	9	0.41	1.56	0.8
30981	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.05	41	7	0.44	1.39	0.79
30982	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.78	46	10	0.39	1.62	0.6
30983	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.33	42	26	0.34	1.04	0.83
30984	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.03	55	30	0.29	2.14	-0.15
30985	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.36	45	12	0.37	1.11	0.91
30986	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.93	49	34	0.33	1	0.91
30987	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.66	50	9	0.38	1.13	0.82
30988	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.68	43	4	0.55	2.36	0.7
30989	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.95	41	7	0.44	0.82	1.02
30990	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.72	41	28	0.36	0.76	1.35
30991	Number and Operations	Identify equivalent fractions using models including the number line.	1.87	46	9	0.39	1	0.94
30992	Number and Operations	Identify equivalent fractions using models including the number line.	1.23	48	16	0.34	1.24	0.75
30993	Number and Operations	Identify equivalent fractions using models including the number line.	1.33	50	14	0.34	1.07	0.91
30994	Number and Operations	Identify equivalent fractions using models including the number line.	2.53	41	4	0.54	1.11	0.92
30995	Number and Operations	Identify equivalent fractions using models including the number line.	0.63	48	18	0.33	1.01	0.83
30996	Number and Operations	Identify equivalent fractions using models including the number line.	1.29	43	11	0.37	0.81	1.2

30997	Number and Operations	Identify equivalent fractions using models including the number line.	1.61	43	12	0.37	1.08	0.72
30998	Number and Operations	Identify equivalent fractions using models including the number line.	1.29	44	14	0.36	1.1	0.85
30999	Number and Operations	Identify equivalent fractions using models including the number line.	2.05	43	9	0.41	0.84	1.11
31000	Number and Operations	Identify equivalent fractions using models including the number line.	1.56	45	12	0.36	1.06	0.97
31001	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-7.15	46	45	1.03	1.67	0.97
31002	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.2	46	34	0.37	0.79	1.12
31003	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.97	51	48	0.61	1.34	0.92
31004	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.25	43	38	0.49	0.56	1.11
31005	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-3.48	46	44	0.74	0.29	1.12
31006	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.72	43	34	0.41	0.89	0.95
31007	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.7	46	19	0.32	1.95	-0.44
31008	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.36	51	42	0.38	0.66	1.17
31009	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.12	40	13	0.36	1	1.04
31010	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.34	44	35	0.41	0.87	1.06
31011	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.99	46	14	0.35	1.43	0.33
31012	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.35	42	33	0.4	1.44	0.83
31013	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.17	49	44	0.49	0.98	1.01
31014	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.33	49	30	0.32	0.8	1.41
31015	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.65	43	39	0.59	0.24	1.27

31016	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.22	50	30	0.31	0.95	1.01
31017	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.87	43	40	0.61	0.47	1.1
31018	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.09	53	30	0.3	0.9	1.14
31019	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.03	43	31	0.37	0.75	1.21
31020	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.18	43	26	0.34	0.69	1.76
31021	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1	39	28	0.38	1	0.89
31022	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.35	48	43	0.53	0.55	1.19
31023	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	2.07	47	7	0.42	1.42	0.82
31024	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.5	52	23	0.31	1.2	0.34
31025	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.09	41	24	0.36	1.83	0.36
31026	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	1.66	44	12	0.37	0.99	0.96
31027	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.74	45	37	0.43	0.69	1.14
31028	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.25	51	29	0.31	0.92	1.12
31029	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.21	51	41	0.38	1.03	0.96

31030	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.08	46	40	0.46	1.24	0.93
31031	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.77	49	42	0.44	1.09	1.08
31032	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.77	43	29	0.35	1.05	0.86
31033	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.93	45	32	0.37	1.01	1.12
31034	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.51	43	28	0.35	0.85	1.22
31035	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.08	45	24	0.32	0.93	1.16
31036	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.94	42	15	0.35	0.81	1.35
31037	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.43	41	26	0.36	1.4	0.89
31038	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.09	50	37	0.34	0.94	1.12
31039	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.36	43	38	0.52	0.75	1.13
31040	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.33	41	23	0.34	0.86	1.24
31041	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.25	48	14	0.34	0.74	1.32
31042	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.1	43	22	0.33	1.27	0.39
31043	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.59	44	17	0.33	0.86	1.31

31044	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.8	41	17	0.35	0.8	1.45
31045	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.07	47	33	0.35	0.8	1.14
31046	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.3	48	14	0.34	0.96	1.07
31047	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.11	43	15	0.34	0.92	1.2
31048	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.51	48	12	0.35	1.25	0.82
31049	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.44	44	35	0.4	0.8	1.12
31050	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.77	42	9	0.4	0.97	1.07
31051	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.81	41	16	0.35	0.98	1.08
31052	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.36	43	14	0.36	0.87	1.04
31053	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.7	47	9	0.39	1.79	0.92
31054	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.87	46	10	0.38	1.47	0.64

31055	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	2.32	43	7	0.45	2.87	0.86
31056	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.36	44	11	0.39	0.84	1.07
31057	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.35	43	27	0.35	0.89	1.04
31058	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0	45	24	0.33	0.82	1.42
31059	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.82	41	28	0.36	0.87	1.08
31060	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.03	49	25	0.31	0.95	1.09
31061	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.42	42	20	0.34	1.1	0.62
31062	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.63	44	17	0.34	1.1	0.72

31063	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.08	45	28	0.34	0.88	1.16
31064	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.79	48	34	0.34	0.87	1.13
31065	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.77	48	9	0.4	1.05	1.01
31066	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.6	46	10	0.39	1.32	0.58
31067	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.71	47	10	0.38	1.4	0.69
31068	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0	48	26	0.32	0.95	1.08
31069	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.75	44	30	0.35	1.17	0.8
31070	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.61	46	17	0.33	1.23	0.7
31071	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.35	49	13	0.37	0.57	1.27



31072	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.75	44	4	0.53	1.21	0.97
31073	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.02	47	7	0.43	1.02	1.04
31074	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.49	44	10	0.39	0.8	1.18
31075	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.25	46	13	0.36	1.09	0.89
31076	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.1	41	12	0.38	0.93	0.9
31077	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.32	47	22	0.31	1.18	0.48
31078	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.6	41	10	0.39	0.94	1.07
31079	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.35	41	11	0.38	1.68	0.63
31080	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.18	42	6	0.47	1.71	0.71
31081	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	3.28	43	3	0.61	2.38	0.79

31082	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.64	52	13	0.34	1.12	0.88
31083	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.06	46	8	0.42	0.72	1.13
31084	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.27	41	11	0.39	0.9	1.16
31085	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.21	43	13	0.38	0.78	1.19
31086	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.21	40	23	0.36	1.23	0.62
31087	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.35	42	19	0.33	0.91	1.14
31088	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.18	43	22	0.33	0.82	1.41
31089	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.99	44	14	0.36	0.84	1.16
31090	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.8	44	30	0.35	0.69	1.52
31091	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1	44	13	0.36	0.82	1.18
31092	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.21	41	20	0.34	0.92	1.22
31093	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.01	39	12	0.38	0.77	1.29
31094	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.42	42	25	0.35	0.77	1.34
31095	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.71	41	18	0.35	1.19	0.58
31096	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.26	41	24	0.34	0.69	1.81
31097	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.88	43	16	0.34	0.88	1.13

31098	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.49	43	19	0.34	0.84	1.3
31099	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.55	43	9	0.4	1.27	0.8
31100	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.82	45	32	0.36	0.66	1.4
31151	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.97	44	34	0.38	0.86	1.06
31152	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.03	49	36	0.34	1.15	0.74
31153	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.51	42	9	0.39	1.25	0.72
31154	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.44	49	22	0.31	1.08	0.62
31155	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.39	41	22	0.34	0.88	1.21
31156	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.65	47	39	0.4	1.08	0.93
31157	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.71	44	30	0.35	1.16	0.8
31158	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.97	39	34	0.49	1.01	1.02
31159	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.02	43	33	0.38	0.74	1.21
31160	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.28	43	39	0.54	1.63	0.95
31161	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.28	42	10	0.39	1.29	0.85
31162	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.49	41	37	0.6	0.31	1.23
31163	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.67	45	31	0.35	1	0.89
31164	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.03	50	25	0.3	1.03	0.67
31165	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.29	43	22	0.33	0.84	1.43

31166	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	2.91	45	4	0.54	1.81	0.76
31167	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.39	42	25	0.33	0.76	1.7
31168	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.17	43	21	0.34	0.98	1.19
31169	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.35	42	27	0.35	0.79	1.31
31170	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	2.11	47	7	0.43	1.16	0.97
31171	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	1.95	44	9	0.41	1.76	0.37
31172	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.34	41	23	0.35	1.01	0.87
31173	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.81	48	19	0.32	0.93	1.11
31174	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.64	43	28	0.37	1.02	1.03
31175	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	1.21	39	10	0.39	0.9	0.96
31176	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.26	41	19	0.34	0.94	1.01
31177	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.23	42	32	0.38	1.14	0.83
31178	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.51	43	25	0.34	0.89	1.3
31179	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.75	49	42	0.44	0.65	1.17

31180	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.7	51	42	0.4	1.03	1.07
31181	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.77	47	38	0.4	0.73	1.08
31182	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.29	42	32	0.41	0.65	1.24
31183	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.05	46	24	0.32	0.72	1.92
31184	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1	41	30	0.38	1.57	1.02
31185	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.75	42	36	0.45	1.71	0.8
31186	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-3.71	40	38	0.75	0.98	0.94
31187	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.26	43	37	0.49	0.65	1.08
31188	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-3.53	41	39	0.77	0.54	1
31189	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.67	42	10	0.39	1.81	0.65
31190	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	2.61	45	5	0.5	1.4	0.85
31191	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.76	44	11	0.39	0.68	1.2
31192	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.46	45	10	0.39	0.82	1.16
31193	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-7.04	46	45	1.02	1.76	0.97
31194	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.38	39	9	0.4	0.88	1.13

31195	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.82	38	15	0.37	1.02	0.85
31196	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.61	41	34	0.44	0.94	1.02
31197	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.28	43	21	0.34	0.89	1.19
31198	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.06	43	37	0.48	0.72	1.05
31200	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-3.07	44	41	0.63	0.56	1.03
31201			-2.21	48	42	0.46	0.47	1.23
31202			-2.37	41	37	0.54	0.6	1.09
31203			-2.22	47	42	0.5	0.81	1
31204			0.01	48	26	0.31	0.88	1.38
31205			-0.26	43	25	0.34	1.08	0.72
31206			-1.5	45	35	0.39	1.58	0.9
31208			-0.91	43	30	0.37	1.27	0.79
31209			0.45	47	21	0.32	1.04	0.83
31210			-0.89	46	32	0.36	0.87	1.1
31212			-1.66	42	35	0.43	1.03	1.03
31213			-0.89	47	32	0.34	0.97	0.96
31214			0.52	54	24	0.3	0.91	1.25
31215			-0.13	44	24	0.32	1.22	0.24
31216			0.71	57	22	0.3	1.15	0.91
31217			-1.82	41	34	0.44	1.18	0.92
31218			0.43	51	24	0.3	1.2	0.41
31219			0.8	42	15	0.35	0.91	1.06
31220			1.66	53	11	0.37	1.19	0.94
31221			-0.12	47	28	0.33	0.86	1.18
31222			0.28	43	23	0.34	1.01	0.88
31223			1.07	45	14	0.34	1.17	0.69
31224			1.74	44	9	0.4	1.32	0.76
31225			1.37	49	14	0.34	1.13	0.8

Table 6  
*Distractor Analysis, Grade 2*

Item	Answer	Score	Count	Average Measure	S.E. MEAS	OUTFIT MNSQ
30001	A	1	24	0.58	0.29	0.95
30001	B	0	7	-0.08	0.29	1.04
30001	C	0	7	0.15	0.68	0.93
30001	D	0	2	0.26	0.09	1.14
30002	A	1	21	0.56	0.26	1.17
30002	B	0	4	0.68	0.43	2.1
30002	C	0	4	-0.13	0.31	0.83
30002	D	0	13	-0.3	0.2	0.73
30003	A	1	12	0.79	0.25	0.88
30003	B	0	27	0.13	0.17	1.11
30003	C	0	3	-0.79	0.46	0.39
30003	D	0	7	-0.2	0.27	0.68
30004	A	1	10	1.38	0.25	0.63
30004	B	0	10	0.18	0.27	0.87
30004	C	0	17	0.36	0.16	0.9
30004	D	0	6	-0.49	0.63	0.6
30005	A	1	14	1.05	0.45	0.8
30005	B	0	16	0.06	0.28	1.84
30005	C	0	11	-0.75	0.33	0.6
30005	D	0	5	-1.17	0.69	0.45
30006	A	1	19	0.89	0.21	0.75
30006	B	0	9	-0.11	0.28	0.99
30006	C	0	11	-0.42	0.21	0.61
30006	D	0	6	-0.34	0.18	0.62
30007	A	1	7	0.83	0.37	0.99
30007	B	0	22	-0.05	0.21	0.99
30007	C	0	9	0.09	0.27	1.05
30007	D	0	4	-1.37	0.41	0.23
30008	A	1	16	0.41	0.42	1.23
30008	B	0	13	0.13	0.27	1.54
30008	C	0	5	0.47	0.56	2.29
30008	D	0	10	-0.62	0.39	0.7
30009	A	1	3	-0.18	0.3	2.27
30009	B	0	19	0.06	0.22	1.06
30009	C	0	6	1.08	0.22	1.91
30009	D	0	16	0.07	0.24	0.91
30010	A	1	9	-0.02	0.39	2.92
30010	B	0	12	0.27	0.32	1.73
30010	C	0	7	-0.36	0.24	0.6
30010	D	0	22	0.2	0.18	1.21
30011	A	1	24	0.89	0.16	0.71
30011	B	0	8	-0.25	0.38	0.89
30011	C	0	7	-0.49	0.15	0.5
30011	D	0	7	-0.38	0.16	0.56
30012	A	1	16	0.39	0.14	0.85
30012	B	0	13	-0.01	0.13	1.02
30012	C	0	11	-0.14	0.15	0.89
30012	D	0	4	-1.46	0.84	0.46
30013	A	1	24	0.39	0.2	1.12

30013	B	0	3	-0.24	0.1	0.74
30013	C	0	5	-0.22	0.54	1.27
30013	D	0	13	-0.19	0.16	0.9
30014	A	1	32	0.31	0.16	1.21
30014	B	0	6	0.03	0.36	1.41
30014	C	0	2	-0.17	0.8	1.08
30014	D	0	5	-0.31	0.16	0.74
30015	A	1	8	1.32	0.84	1.1
30015	B	0	25	0.2	0.12	1.01
30015	C	0	3	-0.35	0.45	0.58
30015	D	0	8	-0.72	0.31	0.46
30016	A	1	4	0.83	0.66	1.24
30016	B	0	17	-0.08	0.22	0.84
30016	C	0	24	0.17	0.18	1.06
30016	D	0	2	-0.26	0.12	0.5
30017	A	1	5	-0.56	0.27	2.79
30017	B	0	5	0.17	0.34	1.06
30017	C	0	15	0.38	0.2	1.34
30017	D	0	14	-0.5	0.58	1.03
30018	A	1	12	0.8	0.31	1.15
30018	B	0	26	0.37	0.16	1.15
30018	C	0	3	0.2	0.29	0.76
30018	D	0	3	-0.28	0.18	0.45
30019	A	1	16	0.34	0.19	1.28
30019	B	0	25	0.19	0.17	1.27
30019	C	0	1	-0.57	0	0.43
30019	D	0	3	-0.05	0.41	0.85
30020	A	1	12	0.6	0.34	1.46
30020	B	0	16	-0.32	0.25	0.88
30020	C	0	5	0.3	0.32	1.22
30020	D	0	11	0.03	0.27	1.16
30021	A	1	10	1.53	0.6	0.83
30021	B	0	28	0	0.17	0.82
30021	C	0	1	0.75	0	1.25
30021	D	0	2	-0.46	0.58	0.44
30022	A	1	19	0.72	0.16	0.87
30022	B	0	9	-0.18	0.36	0.89
30022	C	0	8	0.23	0.31	1.3
30022	D	0	7	-0.2	0.27	0.7
30023	A	1	15	0.51	0.19	0.89
30023	B	0	17	-0.01	0.2	1.22
30023	C	0	0	0	0	0
30023	D	0	14	-0.75	0.51	0.78
30024	A	1	10	1.13	0.3	1
30024	B	0	6	0.62	0.18	1.04
30024	C	0	7	-0.05	0.3	0.63
30024	D	0	17	0.18	0.25	1.06
30025	A	1	13	0.8	0.27	0.8
30025	B	0	5	-0.29	0.45	0.81
30025	C	0	16	0.04	0.18	0.98
30025	D	0	13	-0.35	0.29	0.84
30026	A	1	8	0.87	0.27	0.69
30026	B	0	7	-0.41	0.37	0.7
30026	C	0	5	-0.14	0.39	0.87



30026	D	0	20	-0.13	0.27	1.45
30027	A	1	16	0.98	0.42	0.72
30027	B	0	5	0.5	0.37	1.78
30027	C	0	4	-0.4	0.12	0.59
30027	D	0	21	-0.52	0.21	0.89
30028	A	1	10	0.37	0.35	1.58
30028	B	0	3	0.53	0.19	1.41
30028	C	0	8	-0.24	0.37	0.91
30028	D	0	22	-0.06	0.14	0.96
30029	A	1	16	0.9	0.32	1.44
30029	B	0	18	-0.06	0.18	0.97
30029	C	0	4	0.33	0.21	1.03
30029	D	0	5	-1.64	1.19	0.39
30030	A	1	16	0.65	0.24	1.07
30030	B	0	3	0.57	0.24	1.34
30030	C	0	13	0.23	0.25	1.38
30030	D	0	13	-0.23	0.14	0.64
30031	A	1	13	1.75	0.52	1.12
30031	B	0	14	0.12	0.26	0.87
30031	C	0	0	0	0	0
30031	D	0	12	-0.05	0.2	0.58
30032	A	1	14	1.24	0.3	0.76
30032	B	0	15	0.12	0.15	0.82
30032	C	0	6	0.13	0.43	0.99
30032	D	0	12	-1.07	0.6	0.66
30033	A	1	8	0.87	0.87	1.89
30033	B	0	14	0.3	0.14	0.91
30033	C	0	6	0.25	0.49	1.22
30033	D	0	16	0.28	0.21	1.06
30034	A	1	3	0.98	0.82	1.09
30034	B	0	17	0.17	0.21	1.05
30034	C	0	5	-0.11	0.28	0.67
30034	D	0	14	-0.13	0.33	0.85
30035	A	1	16	0.8	0.24	1
30035	B	0	12	0.11	0.35	1.49
30035	C	0	6	0.32	0.14	0.97
30035	D	0	8	-0.35	0.17	0.52
30036	A	1	19	0.38	0.18	1.16
30036	B	0	10	-0.06	0.18	0.86
30036	C	0	5	0	0.53	1.37
30036	D	0	11	-0.03	0.38	1.32
30037	A	1	6	0.54	0.59	1.47
30037	B	0	13	0.45	0.16	1.35
30037	C	0	5	0.2	0.28	1.04
30037	D	0	18	-0.73	0.38	0.65
30038	A	1	6	0.97	0.32	0.66
30038	B	0	16	0.02	0.22	0.98
30038	C	0	7	0.01	0.31	0.93
30038	D	0	16	-0.33	0.28	0.8
30039	A	1	14	0.03	0.2	1.19
30039	B	0	5	0.17	0.35	1.61
30039	C	0	5	-1.1	0.55	0.6
30039	D	0	20	-0.28	0.2	1.06
30040	A	1	14	0.54	0.29	1.22

30040	B	0	7	-0.17	0.31	0.85
30040	C	0	7	0.45	0.26	1.47
30040	D	0	11	-0.54	0.43	1
30041	A	1	10	0.59	0.42	1.63
30041	B	0	12	0.31	0.17	0.98
30041	C	0	12	0.39	0.18	1.15
30041	D	0	14	-0.32	0.39	0.83
30042	A	1	9	0.81	0.33	1.02
30042	B	0	12	0.08	0.15	0.99
30042	C	0	6	-0.9	0.64	0.7
30042	D	0	14	-0.55	0.45	0.77
30043	A	1	10	0.89	0.35	0.92
30043	B	0	7	0.04	0.28	0.92
30043	C	0	13	0.39	0.12	1.18
30043	D	0	15	-0.53	0.17	0.53
30044	A	1	16	0.73	0.19	0.88
30044	B	0	9	0.23	0.21	1.04
30044	C	0	8	0.46	0.39	1.81
30044	D	0	16	-0.34	0.2	0.62
30045	A	1	6	0.36	0.16	1.1
30045	B	0	5	0.08	0.2	0.79
30045	C	0	13	0.59	0.29	2.04
30045	D	0	20	-0.32	0.25	0.76
30046	A	1	7	0.47	0.31	1.12
30046	B	0	13	0.32	0.22	1.43
30046	C	0	13	-0.03	0.2	0.9
30046	D	0	13	-0.27	0.18	0.73
30047	A	1	6	0.99	0.41	0.68
30047	B	0	10	-0.1	0.21	0.91
30047	C	0	10	-0.63	0.6	0.87
30047	D	0	15	-0.42	0.22	0.76
30048	A	1	16	0.56	0.3	1.88
30048	B	0	6	-0.08	0.17	0.87
30048	C	0	6	-0.36	0.38	0.85
30048	D	0	16	-0.36	0.2	0.85
30049	A	1	13	0.96	0.35	1.46
30049	B	0	2	0.89	0.35	1.38
30049	C	0	12	0.24	0.28	0.97
30049	D	0	20	0.26	0.15	0.89
30050	A	1	23	0.51	0.21	1.06
30050	B	0	5	0.02	0.33	1.08
30050	C	0	8	-0.48	0.36	0.8
30050	D	0	10	-0.04	0.27	1.05
30051	A	1	19	0.89	0.4	1.11
30051	B	0	2	-0.49	0.65	0.6
30051	C	0	22	-0.16	0.2	1
30051	D	0	3	-0.53	0.06	0.47
30052	A	1	38	0.42	0.11	0.86
30052	B	0	4	-0.28	0.19	0.77
30052	C	0	2	-0.52	0.22	0.58
30052	D	0	2	-1.84	1.89	0.52
30053	A	1	24	0.5	0.31	0.92
30053	B	0	7	-0.44	0.37	1.01
30053	C	0	3	0.14	0.56	1.69

30053	D	0	8	-1.57	0.66	0.46
30054	A	1	27	0.5	0.14	0.85
30054	B	0	10	-0.1	0.21	1
30054	C	0	5	-1.02	0.48	0.52
30054	D	0	4	-1.59	1.56	0.96
30055	A	1	32	0.23	0.16	0.86
30055	B	0	6	-0.79	0.31	0.76
30055	C	0	0	0	0	0
30055	D	0	4	-2.4	1.21	0.36
30056	A	1	30	0.53	0.17	0.93
30056	B	0	4	-0.46	0.3	0.67
30056	C	0	6	-0.13	0.31	1
30056	D	0	6	-0.62	0.43	0.77
30057	A	1	31	0.48	0.16	0.85
30057	B	0	3	0.21	0.58	1.64
30057	C	0	4	-0.68	0.7	0.86
30057	D	0	3	-1.32	1.23	0.66
30058	A	1	36	0.41	0.12	0.85
30058	B	0	1	-1.21	0	0.29
30058	C	0	3	-0.23	1.09	1.88
30058	D	0	12	-0.43	0.26	0.82
30059	A	1	29	0.5	0.12	0.73
30059	B	0	3	-0.62	0.16	0.56
30059	C	0	2	-0.03	0.48	1.09
30059	D	0	10	-0.82	0.13	0.48
30060	A	1	34	0.48	0.13	0.82
30060	B	0	3	0.27	0.1	1.35
30060	C	0	4	-0.93	0.67	0.7
30060	D	0	2	-2.33	1.37	0.21
30061	A	1	42	0.08	0.13	0.99
30061	B	0	2	-0.72	1.48	1.58
30061	C	0	0	0	0	0
30061	D	0	1	-0.73	0	0.67
30062	A	1	38	0.1	0.17	0.82
30062	B	0	0	0	0	0
30062	C	0	1	-0.98	0	0.88
30062	D	0	3	-3.56	1.18	0.29
30063	A	1	39	0.03	0.22	1.38
30063	B	0	2	-0.49	0.4	0.95
30063	C	0	2	0.31	0.25	2.02
30063	D	0	0	0	0	0
30064	A	1	42	0.18	0.16	0.93
30064	B	0	1	-1.48	0	0.31
30064	C	0	2	-1.29	0.23	0.38
30064	D	0	0	0	0	0
30065	A	1	40	0.19	0.16	1.04
30065	B	0	1	-1.18	0	0.42
30065	C	0	1	-0.59	0	0.76
30065	D	0	2	-0.92	0.07	0.54
30066	A	1	46	0.54	0.12	0.83
30066	B	0	1	-1.98	0	0.15
30066	C	0	2	-1.52	0.25	0.24
30066	D	0	2	-0.85	1.18	0.81
30067	A	1	54	0.37	0.13	1.03

30067	B	0	0	0	0	0
30067	C	0	5	-0.01	0.13	0.99
30067	D	0	1	-1.04	0	0.34
30068	A	1	40	0.07	0.15	0.97
30068	B	0	1	-0.58	0	0.82
30068	C	0	1	-1.8	0	0.24
30068	D	0	2	-1.03	0.23	0.54
30069	A	1	45	0.23	0.12	1
30069	B	0	1	-1.06	0	0.38
30069	C	0	2	-0.63	0.1	0.6
30069	D	0	0	0	0	0
30070	A	1	46	0.32	0.16	1.02
30070	B	0	1	0.15	0	1.32
30070	C	0	2	-0.14	0.34	1.04
30070	D	0	3	-1.08	0.45	0.45
30071	A	1	6	-0.55	0.48	3.91
30071	B	0	16	0.24	0.33	1.6
30071	C	0	5	0.31	0.56	2.06
30071	D	0	19	-0.22	0.23	0.76
30072	A	1	15	0.5	0.22	1.1
30072	B	0	19	0.1	0.14	1.03
30072	C	0	4	-0.16	0.58	1.18
30072	D	0	10	-0.2	0.21	0.8
30073	A	1	21	0.65	0.21	0.94
30073	B	0	6	0.19	0.27	1.22
30073	C	0	3	0.16	0.6	1.39
30073	D	0	13	-0.66	0.3	0.65
30074	A	1	8	0.46	0.31	1.54
30074	B	0	22	0.49	0.18	1.3
30074	C	0	7	0.09	0.43	0.89
30074	D	0	13	0.17	0.19	0.8
30075	A	1	24	0.77	0.2	0.79
30075	B	0	4	-0.28	0.45	0.79
30075	C	0	3	-0.77	0.25	0.41
30075	D	0	9	-0.5	0.46	0.81
30076	A	1	10	0.09	0.36	2.28
30076	B	0	2	-1.09	0.49	0.26
30076	C	0	19	0.54	0.19	1.6
30076	D	0	10	-0.53	0.43	0.77
30077	A	1	9	-0.17	0.32	2.08
30077	B	0	20	0.38	0.21	1.89
30077	C	0	7	-0.58	0.35	0.59
30077	D	0	13	-0.26	0.26	0.83
30078	A	1	7	0.35	0.15	0.95
30078	B	0	22	-0.02	0.18	1.04
30078	C	0	3	0.99	0.84	4.19
30078	D	0	13	-0.58	0.44	0.72
30079	A	1	7	0.06	0.4	3.31
30079	B	0	10	0.27	0.29	0.88
30079	C	0	19	0.96	0.43	2.38
30079	D	0	8	-0.41	0.44	0.49
30080	A	1	21	0.49	0.13	0.77
30080	B	0	8	-0.16	0.22	0.92
30080	C	0	2	0.52	0.64	1.89

30080	D	0	13	-1.08	0.59	0.76
30081	A	1	10	0.95	0.68	1.35
30081	B	0	2	-0.08	0.27	0.56
30081	C	0	29	0.41	0.11	1.05
30081	D	0	1	-1.19	0	0.18
30082	A	1	33	0.71	0.12	0.76
30082	B	0	3	-0.95	0.08	0.32
30082	C	0	0	0	0	0
30082	D	0	6	-0.47	0.38	0.76
30083	A	1	29	0.66	0.26	1.16
30083	B	0	5	0.18	0.14	1.12
30083	C	0	6	-0.37	0.56	1.23
30083	D	0	9	-0.78	0.29	0.53
30084	A	1	5	1.15	1.42	1.89
30084	B	0	5	-0.32	0.18	0.48
30084	C	0	27	0.31	0.18	1.17
30084	D	0	5	-1.32	0.63	0.27
30085	A	1	7	0.5	0.36	1.21
30085	B	0	6	-0.46	0.22	0.49
30085	C	0	26	0.19	0.19	1.32
30085	D	0	4	-0.1	0.27	0.68
30086	A	1	29	0.31	0.19	0.85
30086	B	0	2	-0.15	0.37	1.18
30086	C	0	4	-0.32	0.34	1.1
30086	D	0	11	-1.19	0.35	0.67
30087	A	1	24	0.61	0.18	0.76
30087	B	0	11	-0.53	0.24	0.77
30087	C	0	2	-1.27	0.21	0.29
30087	D	0	7	-0.76	0.59	1.08
30088	A	1	29	0.53	0.26	0.83
30088	B	0	2	0.37	0.15	1.63
30088	C	0	3	-0.97	0.65	0.61
30088	D	0	10	-0.86	0.24	0.58
30089	A	1	30	0.53	0.16	0.85
30089	B	0	2	-0.5	0.2	0.67
30089	C	0	4	-0.7	0.46	0.77
30089	D	0	6	-1.34	0.57	0.51
30090	A	1	32	0.37	0.18	1.35
30090	B	0	3	-1.19	0.57	0.45
30090	C	0	3	-0.02	0.31	1.21
30090	D	0	8	-0.8	0.27	0.61
30091	A	1	12	1.26	0.57	1.2
30091	B	0	4	0.63	0.66	1.67
30091	C	0	13	0.14	0.22	0.82
30091	D	0	16	-0.61	0.62	0.87
30092	A	1	12	1.1	0.2	0.61
30092	B	0	3	-0.07	0.51	0.77
30092	C	0	13	0.1	0.24	0.94
30092	D	0	15	-0.41	0.31	0.86
30093	A	1	14	0.63	0.18	0.85
30093	B	0	4	0.01	0.39	1.08
30093	C	0	6	-0.15	0.33	0.86
30093	D	0	17	-0.32	0.27	0.87
30094	A	1	20	0.72	0.38	1.13

30094	B	0	3	-0.43	0.24	0.59
30094	C	0	8	-0.15	0.32	0.97
30094	D	0	12	-0.51	0.57	1.19
30095	A	1	17	0.45	0.16	0.68
30095	B	0	4	-0.52	0.25	0.74
30095	C	0	5	-0.8	0.13	0.53
30095	D	0	14	-0.78	0.31	0.8
30096	A	1	7	0.45	0.38	1.63
30096	B	0	10	0.14	0.41	1.26
30096	C	0	13	0.54	0.24	1.38
30096	D	0	15	-0.2	0.26	0.9
30097	A	1	16	0.46	0.18	0.84
30097	B	0	7	-0.32	0.35	1.14
30097	C	0	5	0.33	0.41	1.98
30097	D	0	11	-0.57	0.24	0.74
30098	A	1	26	0.67	0.17	0.83
30098	B	0	5	-0.5	0.46	0.67
30098	C	0	6	-0.24	0.32	0.81
30098	D	0	6	-0.34	0.23	0.66
30099	A	1	23	0.67	0.19	0.82
30099	B	0	3	0.32	0.59	1.57
30099	C	0	4	0.07	0.35	1.09
30099	D	0	13	-0.89	0.48	0.81
30100	A	1	18	0.94	0.23	0.72
30100	B	0	8	-0.3	0.28	0.74
30100	C	0	5	-0.27	0.18	0.66
30100	D	0	10	-0.55	0.21	0.54
30101	A	1	32	0.56	0.12	0.84
30101	B	0	7	-0.43	0.2	0.61
30101	C	0	4	0.18	0.79	2.71
30101	D	0	3	-0.74	0.36	0.45
30102	A	1	32	0.4	0.17	0.67
30102	B	0	5	-1.07	0.34	0.65
30102	C	0	1	0.64	0	2.73
30102	D	0	4	-4.07	1.86	0.95
30103	A	1	23	0.59	0.14	0.67
30103	B	0	4	-0.32	0.6	1.12
30103	C	0	10	-0.46	0.19	0.76
30103	D	0	7	-1.37	0.45	0.49
30104	A	1	23	0.61	0.23	1.14
30104	B	0	8	-0.42	0.24	0.71
30104	C	0	8	-0.02	0.32	1.32
30104	D	0	1	-0.38	0	0.58
30105	A	1	33	0.52	0.14	0.77
30105	B	0	3	-1.2	0.39	0.35
30105	C	0	6	-0.55	0.57	1.14
30105	D	0	1	-1.27	0	0.29
30106	A	1	30	0.37	0.17	0.79
30106	B	0	4	-0.54	0.48	1.06
30106	C	0	2	-0.3	0.28	0.96
30106	D	0	2	-2.76	0.38	0.09
30107	A	1	39	0.23	0.12	0.99
30107	B	0	3	-0.16	0.4	1.01
30107	C	0	1	-0.55	0	0.57

30107	D	0	0	0	0	0
30108	A	1	30	0.23	0.18	1.68
30108	B	0	2	-0.3	0	0.87
30108	C	0	7	-0.86	0.35	0.69
30108	D	0	0	0	0	0
30109	A	1	35	0.61	0.15	0.96
30109	B	0	7	-0.12	0.2	0.79
30109	C	0	1	-0.8	0	0.36
30109	D	0	1	-0.57	0	0.45
30110	A	1	37	0.6	0.15	0.6
30110	B	0	0	0	0	0
30110	C	0	1	-0.95	0	0.55
30110	D	0	2	-3.43	0.27	0.05
30111	A	1	39	0.49	0.15	0.76
30111	B	0	1	-0.27	0	0.95
30111	C	0	2	-2.82	0.55	0.09
30111	D	0	1	-0.94	0	0.48
30112	A	1	36	0.1	0.16	1.04
30112	B	0	2	-1	0.98	0.83
30112	C	0	2	-0.93	0.88	0.83
30112	D	0	1	-1.11	0	0.49
30113	A	1	34	0.41	0.22	0.94
30113	B	0	3	0.08	0.98	2.31
30113	C	0	3	0.04	0.91	2.48
30113	D	0	3	-1.18	0.5	0.41
30114	A	1	35	0.63	0.23	0.73
30114	B	0	5	-0.77	0.86	1.75
30114	C	0	1	-1.23	0	0.37
30114	D	0	2	-4.31	2.48	0.11
30115	A	1	38	0.37	0.15	1.01
30115	B	0	2	-0.83	0.27	0.47
30115	C	0	2	0.15	1.11	2.04
30115	D	0	0	0	0	0
30116	A	1	33	0.42	0.14	0.86
30116	B	0	7	-0.59	0.45	0.92
30116	C	0	1	-0.55	0	0.58
30116	D	0	0	0	0	0
30117	A	1	30	0.4	0.12	0.9
30117	B	0	5	-0.23	0.34	0.9
30117	C	0	0	0	0	0
30117	D	0	3	-0.51	0.68	0.87
30118	A	1	41	0.42	0.19	0.91
30118	B	0	1	-1.22	0	0.32
30118	C	0	1	-1.63	0	0.21
30118	D	0	0	0	0	0
30119	A	1	36	0.49	0.15	0.85
30119	B	0	3	-0.14	0.67	1.22
30119	C	0	4	-0.23	0.54	1.09
30119	D	0	1	-7.25	0	0.01
30120	A	1	38	0.23	0.15	0.87
30120	B	0	6	-0.24	0.49	1.61
30120	C	0	1	-0.35	0	0.92
30120	D	0	4	-1.83	0.53	0.3
30121	A	1	36	0.2	0.25	0.93

30121	B	0	1	-1.84	0	0.28
30121	C	0	1	-0.78	0	0.8
30121	D	0	1	-2.38	0	0.16
30122	A	1	35	0.29	0.16	1.25
30122	B	0	1	-0.95	0	0.42
30122	C	0	3	-0.18	0.47	1.1
30122	D	0	0	0	0	0
30123	A	1	38	0.54	0.29	0.93
30123	B	0	0	0	0	0
30123	C	0	5	-0.72	0.5	0.97
30123	D	0	5	-1.41	0.69	0.69
30124	A	1	26	0.06	0.15	0.86
30124	B	0	6	-0.48	0.26	1.07
30124	C	0	5	-1.58	0.47	0.45
30124	D	0	1	-1.3	0	0.41
30125	A	1	33	0.44	0.24	1.01
30125	B	0	2	0.41	0.18	1.58
30125	C	0	2	-0.72	0.42	0.54
30125	D	0	1	-1.14	0	0.33
30126	A	1	15	0.82	0.23	0.99
30126	B	0	8	-0.05	0.21	0.7
30126	C	0	9	0.36	0.39	1.28
30126	D	0	11	-0.55	0.73	1.06
30127	A	1	40	0.15	0.15	1.04
30127	B	0	1	-0.47	0	0.8
30127	C	0	0	0	0	0
30127	D	0	1	-0.58	0	0.71
30128	A	1	37	0.61	0.21	0.84
30128	B	0	3	-0.66	0.83	0.92
30128	C	0	1	-0.52	0	0.62
30128	D	0	2	-1.44	0.4	0.27
30129	A	1	37	0.49	0.13	1.01
30129	B	0	3	-0.44	0.11	0.51
30129	C	0	6	0.22	0.29	1.24
30129	D	0	3	0.35	0.73	1.78
30130	A	1	12	1.43	0.59	1.1
30130	B	0	6	-0.21	0.3	0.59
30130	C	0	19	0.3	0.19	1.05
30130	D	0	3	-1.05	0.52	0.26
30131	A	1	27	0.66	0.17	0.66
30131	B	0	9	-0.79	0.19	0.59
30131	C	0	1	-2.6	0	0.08
30131	D	0	2	-3.88	2.42	0.15
30132	A	1	25	1.07	0.3	0.87
30132	B	0	9	-0.07	0.22	0.84
30132	C	0	6	-0.25	0.12	0.61
30132	D	0	3	-1.5	0.4	0.19
30133	A	1	19	0.83	0.19	0.8
30133	B	0	7	0.1	0.19	0.89
30133	C	0	6	-0.01	0.28	0.85
30133	D	0	7	-0.54	0.33	0.57
30135	A	1	35	0.1	0.18	1.03
30135	B	0	0	0	0	0
30135	C	0	2	-0.61	1.05	1.45



30135	D	0	2	-1.56	1.22	0.64
30136	A	1	5	1.58	1.37	1.9
30136	B	0	11	0.15	0.19	0.68
30136	C	0	27	0.4	0.13	0.93
30136	D	0	2	1.01	0.65	1.66
30137	A	1	31	0.38	0.15	0.96
30137	B	0	0	0	0	0
30137	C	0	3	-0.01	0.8	1.82
30137	D	0	7	-0.47	0.3	0.75
30138	A	1	27	0.43	0.27	1.04
30138	B	0	0	0	0	0
30138	C	0	6	0.33	0.19	1.53
30138	D	0	6	-0.91	0.41	0.62
30139	A	1	30	0.52	0.19	0.93
30139	B	0	6	-0.58	0.12	0.58
30139	C	0	2	-0.1	0.37	0.96
30139	D	0	6	-0.6	0.18	0.59
30140	A	1	21	0.74	0.25	1.14
30140	B	0	5	-0.32	0.38	0.72
30140	C	0	9	0.35	0.23	1.34
30140	D	0	10	-0.94	0.62	0.54
30141	A	1	24	0.62	0.2	0.79
30141	B	0	11	-0.28	0.26	1.07
30141	C	0	3	-0.76	0.38	0.54
30141	D	0	5	-1.09	0.49	0.5
30142	A	1	16	1.31	0.43	0.61
30142	B	0	9	-0.56	0.13	0.54
30142	C	0	5	-0.09	0.33	0.99
30142	D	0	12	-0.91	0.3	0.5
30143	A	1	28	0.28	0.17	0.97
30143	B	0	5	0.42	0.18	1.78
30143	C	0	4	-0.73	0.43	0.67
30143	D	0	8	-1.41	0.9	0.8
30144	A	1	25	0.77	0.22	0.9
30144	B	0	8	-0.32	0.34	1.02
30144	C	0	4	-0.23	0.15	0.7
30144	D	0	5	-0.76	0.57	0.62
30145	A	1	31	0.49	0.15	0.95
30145	B	0	5	0.06	0.33	1.25
30145	C	0	1	-0.3	0	0.67
30145	D	0	6	-1.4	1.15	0.73
30146	A	1	15	1.02	0.29	0.96
30146	B	0	8	0.49	0.2	1.22
30146	C	0	6	-0.37	0.22	0.53
30146	D	0	14	-0.48	0.28	0.65
30147	A	1	21	0.3	0.17	0.94
30147	B	0	8	-0.62	0.33	0.77
30147	C	0	6	-0.43	0.22	0.76
30147	D	0	4	0.1	0.34	1.36
30148	A	1	22	1.1	0.36	1.01
30148	B	0	7	-0.06	0.21	0.78
30148	C	0	6	-0.1	0.3	0.82
30148	D	0	8	-0.41	0.34	0.68
30149	A	1	30	0.59	0.27	1.16

30149	B	0	2	-0.27	0.49	0.71
30149	C	0	7	0.32	0.25	1.3
30149	D	0	1	-0.77	0	0.38
30150	A	1	26	0.29	0.16	0.97
30150	B	0	4	-1.05	0.27	0.42
30150	C	0	7	-0.09	0.34	1.32
30150	D	0	7	-0.46	0.46	1.18
30151	A	1	20	0.64	0.15	0.83
30151	B	0	14	-0.26	0.27	0.84
30151	C	0	2	-0.55	0.53	0.52
30151	D	0	4	0.06	0.22	0.9
30152	A	1	26	0.66	0.18	0.77
30152	B	0	6	-0.52	0.4	0.81
30152	C	0	4	0.07	0.4	1.3
30152	D	0	10	-1.56	0.82	0.99
30153	A	1	23	0.88	0.23	1.25
30153	B	0	4	0.01	0.15	0.75
30153	C	0	1	-1.58	0	0.15
30153	D	0	18	-0.28	0.26	0.84
30154	A	1	27	0.59	0.16	0.73
30154	B	0	9	-0.39	0.35	1.12
30154	C	0	1	-3.01	0	0.05
30154	D	0	7	-1.31	0.42	0.43
30155	A	1	31	0.84	0.13	0.79
30155	B	0	9	0.17	0.24	1.07
30155	C	0	1	0.71	0	1.42
30155	D	0	18	-0.36	0.21	0.71
30156	A	1	17	1.44	0.22	0.68
30156	B	0	3	0.36	0.16	0.72
30156	C	0	23	0.33	0.18	0.99
30156	D	0	13	-0.1	0.22	0.57
30157	A	1	15	1.11	0.2	0.73
30157	B	0	8	0.23	0.28	0.97
30157	C	0	15	-0.14	0.26	0.7
30157	D	0	16	0.11	0.22	0.9
30158	A	1	22	0.54	0.2	1.05
30158	B	0	9	-0.27	0.15	0.68
30158	C	0	9	0.24	0.31	1.67
30158	D	0	2	-0.84	0.51	0.42
30159	A	1	25	0.78	0.15	0.61
30159	B	0	4	-0.72	0.15	0.48
30159	C	0	8	-0.85	0.12	0.43
30159	D	0	4	-1.05	0.82	0.73
30160	A	1	27	0.15	0.14	0.9
30160	B	0	3	-0.64	0.74	1.11
30160	C	0	4	-0.49	0.45	0.97
30160	D	0	10	-1.01	0.77	1.34
30161	A	1	28	0.82	0.25	0.88
30161	B	0	7	-0.34	0.2	0.61
30161	C	0	7	0.22	0.27	1.18
30161	D	0	4	-0.63	0.56	0.62
30162	A	1	13	0.5	0.29	1.25
30162	B	0	4	1.09	0.43	2.88
30162	C	0	17	-0.23	0.27	0.96

30162	D	0	9	-0.3	0.26	0.72
30163	A	1	17	0.27	0.22	1.15
30163	B	0	5	0.44	0.18	1.48
30163	C	0	17	-0.22	0.18	0.92
30163	D	0	1	-0.03	0	0.87
30164	A	1	40	0.62	0.13	0.77
30164	B	0	6	-0.47	0.18	0.62
30164	C	0	5	-0.97	0.43	0.5
30164	D	0	3	-0.67	0.94	0.9
30165	A	1	14	0.48	0.22	1.07
30165	B	0	9	0.08	0.25	1.22
30165	C	0	3	0.01	0.1	0.88
30165	D	0	16	-0.71	0.46	0.85
30166	A	1	29	0.82	0.17	0.88
30166	B	0	5	-0.07	0.13	0.72
30166	C	0	2	-0.45	0.21	0.49
30166	D	0	16	-0.33	0.24	0.74
30167	A	1	27	0.42	0.17	0.86
30167	B	0	9	-0.64	0.38	0.75
30167	C	0	1	-0.37	0	0.73
30167	D	0	5	-0.76	0.25	0.56
30168	A	1	19	0.6	0.16	0.87
30168	B	0	7	-0.11	0.61	1.26
30168	C	0	1	-1.98	0	0.11
30168	D	0	17	0	0.2	1.05
30169	A	1	22	0.53	0.17	0.95
30169	B	0	5	0.28	0.17	1.14
30169	C	0	3	0.05	0.5	1.1
30169	D	0	20	-0.53	0.38	0.95
30170	A	1	18	0.8	0.21	0.92
30170	B	0	4	-0.15	0.13	0.65
30170	C	0	5	0.14	0.25	0.9
30170	D	0	15	-0.2	0.19	0.77
30171	A	1	9	0.38	0.29	1.43
30171	B	0	4	0.78	0.42	2.09
30171	C	0	10	0.3	0.13	1.03
30171	D	0	16	-0.23	0.28	0.87
30172	A	1	3	1.11	0.41	0.7
30172	B	0	6	0.43	0.2	0.93
30172	C	0	8	0.25	0.26	0.87
30172	D	0	24	0.09	0.25	1.14
30173	A	1	6	0.03	0.35	1.4
30173	B	0	8	-0.1	0.15	0.87
30173	C	0	10	0.14	0.23	1.31
30173	D	0	20	-0.18	0.18	0.98
30174	A	1	11	0.87	0.3	0.87
30174	B	0	22	0	0.19	1.1
30174	C	0	3	-0.47	0.1	0.46
30174	D	0	6	-0.31	0.2	0.59
30175	A	1	19	1.07	0.18	0.74
30175	B	0	21	0.06	0.14	0.8
30175	C	0	4	-0.32	0.46	0.61
30175	D	0	6	-0.4	0.65	0.71
30176	A	1	16	0.6	0.26	1.05

30176	B	0	5	0.56	0.12	1.41
30176	C	0	3	-0.54	0.4	0.53
30176	D	0	18	-0.35	0.31	0.89
30177	A	1	17	0.53	0.25	0.89
30177	B	0	9	-0.27	0.3	1.06
30177	C	0	4	-0.68	0.28	0.6
30177	D	0	14	-1.02	0.48	0.72
30178	A	1	15	0.8	0.27	1.09
30178	B	0	7	0.12	0.17	0.92
30178	C	0	7	-0.32	0.33	0.71
30178	D	0	21	-0.39	0.36	0.9
30179	A	1	7	0.35	0.34	1.25
30179	B	0	7	0.24	0.31	1.32
30179	C	0	10	-0.59	0.4	0.72
30179	D	0	20	-0.14	0.24	1.1
30180	A	1	8	0.27	0.4	1.77
30180	B	0	9	0.42	0.25	1.3
30180	C	0	8	0.14	0.49	1.74
30180	D	0	19	-0.09	0.22	0.91
30181	A	1	6	0.9	0.2	0.6
30181	B	0	6	-0.36	0.4	0.79
30181	C	0	9	0.17	0.14	0.94
30181	D	0	21	-0.32	0.36	1.01
30182	A	1	7	0.74	0.41	1.32
30182	B	0	24	0.12	0.22	1.15
30182	C	0	4	0.22	0.22	0.86
30182	D	0	8	-1.2	0.93	0.57
30183	A	1	8	0.78	0.2	0.82
30183	B	0	23	0.07	0.19	1.03
30183	C	0	4	0.56	0.58	1.91
30183	D	0	7	-0.27	0.48	0.87
30184	A	1	12	1.23	0.53	0.89
30184	B	0	16	0.19	0.2	1.18
30184	C	0	5	-0.64	0.28	0.44
30184	D	0	7	-1.23	0.77	0.49
30185	A	1	14	1.23	0.48	1.12
30185	B	0	3	-0.6	0.09	0.3
30185	C	0	7	0.63	0.24	1.2
30185	D	0	20	0.21	0.25	1.13
30186	A	1	21	1.06	0.28	0.55
30186	B	0	3	-0.32	0.36	0.73
30186	C	0	5	-0.55	0.41	0.69
30186	D	0	15	-1.19	0.5	0.58
30187	A	1	13	0.67	0.24	0.98
30187	B	0	2	0.07	0.46	0.95
30187	C	0	6	0.19	0.38	1.33
30187	D	0	21	-0.59	0.36	0.8
30188	A	1	22	0.66	0.13	0.67
30188	B	0	9	-0.49	0.45	1.01
30188	C	0	0	0	0	0
30188	D	0	11	-1.49	0.76	0.69
30189	A	1	10	1.66	0.6	0.47
30189	B	0	2	0.28	1.05	1.63
30189	C	0	10	-0.47	0.35	0.67

30189	D	0	20	-0.47	0.18	0.65
30190	A	1	23	0.9	0.25	1.08
30190	B	0	3	0.26	0.72	1.3
30190	C	0	3	-1.1	1.8	0.99
30190	D	0	9	-0.14	0.28	0.78
30191	A	1	10	0.87	0.28	0.88
30191	B	0	5	0.46	0.29	1.25
30191	C	0	10	0.13	0.29	1.11
30191	D	0	14	-0.23	0.15	0.63
30192	A	1	19	0.48	0.18	1.06
30192	B	0	5	0.59	0.42	1.99
30192	C	0	2	-0.62	1.34	0.94
30192	D	0	18	-0.7	0.42	0.76
30193	A	1	15	0.37	0.25	1.76
30193	B	0	1	-1.58	0	0.13
30193	C	0	9	0.66	0.35	1.83
30193	D	0	19	0.13	0.26	1.12
30194	A	1	18	0.77	0.18	0.83
30194	B	0	9	-0.13	0.28	0.78
30194	C	0	5	0.01	0.72	1.72
30194	D	0	16	-0.09	0.25	0.9
30195	A	1	14	0.77	0.26	0.83
30195	B	0	3	-0.54	0.7	0.85
30195	C	0	7	0.21	0.69	3.29
30195	D	0	19	-0.96	0.4	0.76
30196	A	1	15	0.54	0.28	1.01
30196	B	0	7	-0.49	0.29	0.69
30196	C	0	3	0.67	0.48	2.11
30196	D	0	15	-0.28	0.17	0.84
30197	A	1	8	0.59	0.41	1.08
30197	B	0	3	-0.02	0.31	0.82
30197	C	0	12	-0.13	0.39	1.13
30197	D	0	16	-0.16	0.18	0.82
30198	A	1	24	0.63	0.17	0.85
30198	B	0	5	-0.33	0.33	0.77
30198	C	0	2	-0.48	0.42	0.58
30198	D	0	11	-0.77	0.62	0.73
30199	A	1	14	1.05	0.47	1.1
30199	B	0	1	-0.72	0	0.31
30199	C	0	13	-0.08	0.32	0.92
30199	D	0	14	0.09	0.32	1.14
30200	A	1	25	0.74	0.19	1.09
30200	B	0	5	-0.08	0.67	1.04
30200	C	0	4	0.46	0.32	1.22
30200	D	0	8	0	0.25	0.82
30201	A	1	26	0.03	0.12	0.89
30201	B	0	5	-0.39	0.34	1.13
30201	C	0	2	-0.34	0.2	0.96
30201	D	0	6	-1.05	0.43	0.71
30202	A	1	23	0.65	0.17	0.82
30202	B	0	13	0.21	0.2	1.33
30202	C	0	1	0.33	0	1.18
30202	D	0	5	-3.41	0.98	0.07
30203	A	1	27	0.59	0.18	1.04

30203	B	0	5	-0.38	0.42	0.9
30203	C	0	1	-1.72	0	0.16
30203	D	0	5	-0.07	0.31	1.03
30204	A	1	24	0.83	0.3	0.82
30204	B	0	8	-0.55	0.23	0.64
30204	C	0	4	0.03	0.32	1.09
30204	D	0	3	-1.11	0.4	0.34
30205	A	1	20	0.54	0.18	1.03
30205	B	0	7	-0.43	0.33	0.64
30205	C	0	7	0.35	0.47	1.79
30205	D	0	7	0.13	0.23	0.99
30206	A	1	32	0.18	0.15	1.04
30206	B	0	2	0.19	0.01	1.43
30206	C	0	2	0.18	0.71	1.78
30206	D	0	8	-1.31	0.81	0.77
30207	A	1	26	0.39	0.17	1.02
30207	B	0	5	-0.32	0.15	0.79
30207	C	0	1	-0.39	0	0.71
30207	D	0	6	-0.86	0.42	0.71
30208	A	1	11	0.31	0.33	2.03
30208	B	0	2	0.89	0.54	2.11
30208	C	0	24	0	0.21	1.22
30208	D	0	5	-1.58	1.44	0.6
30209	A	1	33	0.57	0.19	1.14
30209	B	0	1	-0.16	0	0.79
30209	C	0	12	-0.17	0.19	0.93
30209	D	0	6	-1.67	1.06	0.51
30210	A	1	25	0.49	0.17	0.76
30210	B	0	6	-0.5	0.3	0.8
30210	C	0	3	-1.3	0.33	0.32
30210	D	0	4	-0.69	0.47	0.73
30211	A	1	40	0.29	0.14	0.67
30211	B	0	0	0	0	0
30211	C	0	2	-0.92	1.02	1
30211	D	0	2	-4.84	2.41	0.1
30212	A	1	40	0.38	0.19	1.06
30212	B	0	0	0	0	0
30212	C	0	0	0	0	0
30212	D	0	1	0.36	0	1.55
30213	A	1	34	0.26	0.18	0.61
30213	B	0	0	0	0	0
30213	C	0	2	-1.83	0.11	0.3
30213	D	0	4	-3.24	1.12	0.23
30214	A	1	55	0.48	0.17	0.7
30214	B	0	1	0.28	0	1.95
30214	C	0	0	0	0	0
30214	D	0	2	-4.57	2.68	0.12
30215	A	1	42	0.34	0.2	0.59
30215	B	0	1	-1.72	0	0.34
30215	C	0	1	-1.94	0	0.28
30215	D	0	2	-5.19	2.06	0.05
30216	A	1	55	0.39	0.11	0.88
30216	B	0	3	-0.08	0.62	1.54
30216	C	0	3	-1.15	0.61	0.55

30216	D	0	1	-7.25	0	0.01
30217	A	1	40	0.25	0.16	0.95
30217	B	0	1	-1.72	0	0.22
30217	C	0	0	0	0	0
30217	D	0	0	0	0	0
30218	A	1	53	0.26	0.14	1.01
30218	B	0	2	-0.45	0.5	0.86
30218	C	0	1	-0.32	0	0.87
30218	D	0	1	-1.29	0	0.33
30219	A	1	55	0.33	0.12	0.87
30219	B	0	4	-0.3	0.39	1.09
30219	C	0	1	1.77	0	6.72
30219	D	0	1	-7.25	0	0.01
30220	A	1	53	0.51	0.12	0.75
30220	B	0	2	-1.03	0.04	0.45
30220	C	0	1	-1.5	0	0.28
30220	D	0	1	-7.25	0	0.01
30221	A	1	9	1.07	0.76	1.39
30221	B	0	27	0.45	0.15	1.24
30221	C	0	5	-0.2	0.61	0.89
30221	D	0	12	-0.15	0.24	0.66
30222	A	1	11	0.94	0.2	0.79
30222	B	0	30	0.23	0.19	1.18
30222	C	0	7	0.01	0.37	0.82
30222	D	0	10	-0.83	0.73	0.55
30223	A	1	16	0.83	0.21	0.83
30223	B	0	5	-0.47	0.29	0.55
30223	C	0	7	-0.05	0.27	0.85
30223	D	0	14	-0.49	0.41	1.03
30224	A	1	1	-0.57	0	2.86
30224	B	0	17	0.41	0.14	1.12
30224	C	0	9	0	0.38	1.12
30224	D	0	12	-0.46	0.4	0.86
30225	A	1	16	0.28	0.23	1.34
30225	B	0	3	-0.06	1.05	1.97
30225	C	0	6	0.45	0.4	2.01
30225	D	0	13	-0.51	0.25	0.76
30226	A	1	10	0.22	0.29	1.98
30226	B	0	4	0.29	0.76	1.45
30226	C	0	20	0.49	0.22	1.55
30226	D	0	15	-0.61	0.54	0.86
30227	A	1	5	0.76	0.5	1.14
30227	B	0	21	0.26	0.18	1.14
30227	C	0	4	-0.36	0.21	0.46
30227	D	0	12	-0.36	0.62	0.94
30228	A	1	7	0.43	0.26	1.04
30228	B	0	23	0.18	0.18	1.23
30228	C	0	4	-0.89	0.69	0.56
30228	D	0	7	-0.55	0.49	0.81
30229	A	1	6	0.42	0.18	1.37
30229	B	0	7	-0.16	0.37	0.64
30229	C	0	26	0.69	0.17	1.38
30229	D	0	9	-0.63	0.69	0.74
30230	A	1	21	0.68	0.18	0.87

30230	B	0	8	-0.22	0.11	0.69
30230	C	0	5	-0.18	0.46	0.95
30230	D	0	9	-0.81	0.71	0.76
30231	A	1	3	0.5	0.57	1.12
30231	B	0	9	-0.15	0.29	1.03
30231	C	0	31	0.13	0.15	1.16
30231	D	0	14	-0.49	0.25	0.66
30232	A	1	25	0.66	0.18	0.81
30232	B	0	5	-0.43	0.37	0.75
30232	C	0	3	0.03	0.47	1.18
30232	D	0	14	-0.59	0.19	0.69
30233	A	1	30	0.54	0.26	1.02
30233	B	0	5	-0.51	0.18	0.65
30233	C	0	3	-0.08	0.3	1.05
30233	D	0	11	-0.67	0.35	0.85
30234	A	1	2	0.63	0.31	0.94
30234	B	0	7	-0.07	0.33	0.77
30234	C	0	23	0.49	0.17	1.37
30234	D	0	9	-1.05	0.43	0.43
30235	A	1	7	1.37	0.2	0.5
30235	B	0	2	0.84	0.84	1.79
30235	C	0	32	0.24	0.14	0.97
30235	D	0	15	-0.53	0.5	0.71
30236	A	1	44	0.42	0.13	0.89
30236	B	0	1	-1.66	0	0.2
30236	C	0	4	0.27	0.46	1.87
30236	D	0	6	-0.89	0.53	1.06
30237	A	1	32	0.38	0.18	1.08
30237	B	0	2	0.87	0.29	2.65
30237	C	0	6	-0.64	0.42	0.74
30237	D	0	3	-1.14	0.17	0.35
30238	A	1	32	0.33	0.16	0.84
30238	B	0	3	-0.1	0.31	1.16
30238	C	0	4	-0.65	0.23	0.66
30238	D	0	8	-1.1	0.45	0.62
30239	A	1	42	0.06	0.12	1
30239	B	0	3	-0.39	0.57	1.2
30239	C	0	7	-0.31	0.39	1.34
30239	D	0	9	-0.61	0.27	0.87
30240	A	1	25	0.46	0.14	0.74
30240	B	0	3	-0.4	0.64	0.98
30240	C	0	8	-0.47	0.32	0.96
30240	D	0	7	-1.11	0.32	0.51
30241	A	1	20	0.78	0.25	1.24
30241	B	0	4	0.17	0.36	0.85
30241	C	0	15	0.48	0.13	1.11
30241	D	0	15	0	0.17	0.77
30242	A	1	19	0.32	0.15	0.88
30242	B	0	0	0	0	0
30242	C	0	8	0.38	0.19	1.6
30242	D	0	15	-0.63	0.18	0.65
30243	A	1	13	0.34	0.28	1.19
30243	B	0	4	-0.31	0.39	0.87
30243	C	0	10	-0.09	0.18	1.07



30243	D	0	21	-0.62	0.33	0.89
30244	A	1	15	0.79	0.15	0.71
30244	B	0	4	0.13	0.21	0.91
30244	C	0	11	-0.03	0.23	0.94
30244	D	0	13	-0.27	0.15	0.66
30245	A	1	15	0.9	0.18	0.82
30245	B	0	5	0.82	0.38	1.89
30245	C	0	7	0.44	0.33	1.26
30245	D	0	15	-0.89	0.46	0.58
30246	A	1	18	0.55	0.24	0.95
30246	B	0	7	0.29	0.18	1.29
30246	C	0	7	-1.19	0.96	0.87
30246	D	0	11	-0.47	0.25	0.74
30247	A	1	19	0.62	0.19	0.96
30247	B	0	4	0.65	0.33	1.76
30247	C	0	10	-0.12	0.29	1.05
30247	D	0	15	-0.39	0.24	0.73
30248	A	1	18	0.35	0.25	2.28
30248	B	0	11	0.16	0.21	1.27
30248	C	0	3	0.06	0.43	1.07
30248	D	0	19	-0.52	0.25	0.78
30249	A	1	24	0.54	0.19	1.07
30249	B	0	4	0.63	0.15	1.61
30249	C	0	5	-0.15	0.4	1.06
30249	D	0	12	-0.35	0.36	1.54
30250	A	1	18	0.4	0.18	0.85
30250	B	0	5	-0.02	0.15	1.04
30250	C	0	4	-0.55	0.37	0.74
30250	D	0	14	-0.58	0.28	0.82
30251	A	1	51	0.25	0.14	1.06
30251	B	0	2	-0.74	0.9	0.86
30251	C	0	1	0.01	0	1.28
30251	D	0	0	0	0	0
30252	A	1	31	0	0.15	1.06
30252	B	0	2	-0.01	0.2	1.43
30252	C	0	6	-0.77	0.55	1.54
30252	D	0	3	-0.89	0.7	0.83
30253	A	1	42	0.23	0.15	0.97
30253	B	0	1	-0.1	0	1.14
30253	C	0	1	-0.96	0	0.48
30253	D	0	1	-1.63	0	0.24
30254	A	1	39	0.07	0.13	0.97
30254	B	0	1	-0.21	0	1.1
30254	C	0	2	-0.83	0.33	0.62
30254	D	0	1	-1.72	0	0.24
30255	A	1	38	0.47	0.24	1.04
30255	B	0	1	0.34	0	1.58
30255	C	0	1	-0.78	0	0.51
30255	D	0	0	0	0	0
30256	A	1	45	0.29	0.14	1.03
30256	B	0	0	0	0	0
30256	C	0	2	0.06	0.36	1.46
30256	D	0	1	-2.38	0	0.12
30257	A	1	33	0.17	0.18	1.18

30257	B	0	8	-0.22	0.51	2.19
30257	C	0	0	0	0	0
30257	D	0	2	-0.27	1.45	2.12
30258	A	1	36	0	0.17	1.23
30258	B	0	2	-0.47	0.78	1.32
30258	C	0	4	-0.49	0.6	1.66
30258	D	0	2	-2.17	0.44	0.2
30259	A	1	51	0.41	0.13	1.04
30259	B	0	0	0	0	0
30259	C	0	1	-0.15	0	0.9
30259	D	0	0	0	0	0
30260	A	1	39	0.31	0.23	1.06
30260	B	0	1	-1.53	0	0.36
30260	C	0	0	0	0	0
30260	D	0	1	-2.02	0	0.22
30261	A	1	2350	0.29	0.02	0.96
30261	B	0	42	-0.84	0.14	0.86
30261	C	0	67	-0.67	0.13	1.27
30261	D	0	69	-2.08	0.21	0.36
30262	A	1	50	0.34	0.16	1.18
30262	B	0	1	-0.99	0	0.59
30262	C	0	0	0	0	0
30262	D	0	0	0	0	0
30263	A	1	49	0.25	0.13	0.97
30263	B	0	0	0	0	0
30263	C	0	0	0	0	0
30263	D	0	2	-0.84	1.15	0.94
30264	A	1	41	0.35	0.21	0.99
30264	B	0	0	0	0	0
30264	C	0	1	-0.54	0	0.65
30264	D	0	1	-0.87	0	0.46
30266	A	1	49	0.41	0.12	0.9
30266	B	0	3	-0.34	0.28	0.78
30266	C	0	2	-1.59	0.57	0.24
30266	D	0	1	-0.28	0	0.75
30267	A	1	38	0.49	0.16	0.8
30267	B	0	0	0	0	0
30267	C	0	1	-3.01	0	0.06
30267	D	0	3	-1.3	0.24	0.37
30268	A	1	40	0.53	0.2	0.93
30268	B	0	1	-0.62	0	0.51
30268	C	0	0	0	0	0
30268	D	0	1	-1.35	0	0.24
30269	A	1	38	0.51	0.22	1.02
30269	B	0	2	-0.27	0.62	0.99
30269	C	0	0	0	0	0
30269	D	0	1	-1.04	0	0.38
30270	A	1	32	0.33	0.14	0.87
30270	B	0	7	-0.76	0.33	0.71
30270	C	0	2	-0.49	0.69	0.84
30270	D	0	1	-0.06	0	1.03
30271	A	1	41	0.03	0.23	1.08
30271	B	0	2	0	1.07	2.99
30271	C	0	0	0	0	0

30271	D	0	3	-1.08	1.07	1.27
30272	A	1	43	0.01	0.12	0.96
30272	B	0	0	0	0	0
30272	C	0	1	-1.72	0	0.25
30272	D	0	1	-0.54	0	0.83
30273	A	1	38	0.11	0.24	0.48
30273	B	0	0	0	0	0
30273	C	0	0	0	0	0
30273	D	0	1	-5.52	0	0.02
30275	A	1	25	0.53	0.19	1.09
30275	B	0	4	-0.38	0.34	0.68
30275	C	0	6	-0.04	0.32	1.13
30275	D	0	4	-0.32	0.39	0.78
30276	A	1	33	0.38	0.16	1.12
30276	B	0	4	-0.42	0.22	0.66
30276	C	0	3	-0.52	0.43	0.67
30276	D	0	6	0.06	0.25	1.18
30277	A	1	52	0.4	0.15	0.75
30277	B	0	0	0	0	0
30277	C	0	0	0	0	0
30277	D	0	1	-3.01	0	0.05
30278	A	1	40	0.39	0.15	0.54
30278	B	0	1	-1.72	0	0.34
30278	C	0	0	0	0	0
30278	D	0	1	-5.52	0	0.01
30279	A	1	43	0.15	0.17	1.06
30279	B	0	1	0.01	0	1.63
30279	C	0	0	0	0	0
30279	D	0	2	-1.56	1.04	0.54
30280	A	1	47	0.45	0.18	0.72
30280	B	0	0	0	0	0
30280	C	0	0	0	0	0
30280	D	0	2	-3.32	2.28	0.25
30281	A	1	38	0.4	0.22	0.85
30281	B	0	2	-0.37	0.61	1.06
30281	C	0	1	-0.74	0	0.62
30281	D	0	3	-1.84	0.72	0.34
30282	A	1	37	0.03	0.17	1.01
30282	B	0	0	0	0	0
30282	C	0	1	-0.89	0	0.7
30282	D	0	1	-1.73	0	0.29
30283	A	1	54	0.4	0.13	1.03
30283	B	0	1	-0.3	0	0.78
30283	C	0	0	0	0	0
30283	D	0	0	0	0	0
30284	A	1	46	0.27	0.14	0.87
30284	B	0	0	0	0	0
30284	C	0	0	0	0	0
30284	D	0	2	-1.33	1.29	0.66
30285	A	1	39	0.15	0.14	0.91
30285	B	0	0	0	0	0
30285	C	0	1	-0.04	0	1.3
30285	D	0	1	-2.24	0	0.14
30286	A	1	37	0.51	0.16	0.8

30286	B	0	1	-1.98	0	0.15
30286	C	0	1	-0.15	0	1
30286	D	0	2	-1.62	0.57	0.25
30287	A	1	43	0.43	0.13	0.65
30287	B	0	1	-2.16	0	0.18
30287	C	0	1	-2.27	0	0.16
30287	D	0	3	-3.39	1.82	0.25
30288	A	1	40	0.44	0.2	1.03
30288	B	0	1	1.02	0	2.69
30288	C	0	0	0	0	0
30288	D	0	0	0	0	0
30289	A	1	34	0.19	0.19	1.22
30289	B	0	2	0.18	0.21	1.54
30289	C	0	0	0	0	0
30289	D	0	3	-0.44	0.28	0.88
30290	A	1	34	0.42	0.25	1.12
30290	B	0	4	-0.37	0.24	0.84
30290	C	0	5	-0.39	0.29	0.87
30290	D	0	1	-0.37	0	0.76
30291	A	1	28	0.42	0.27	1.42
30291	B	0	5	-0.45	0.29	0.7
30291	C	0	5	0.31	0.29	1.52
30291	D	0	3	0.09	0.26	1.1
30292	A	1	5	0.07	0.49	2.55
30292	B	0	9	0.27	1.05	1.67
30292	C	0	13	0.61	0.2	1.35
30292	D	0	19	-0.09	0.23	0.87
30293	A	1	6	0.57	0.35	1.2
30293	B	0	8	0.11	0.26	0.91
30293	C	0	11	0.71	0.2	1.5
30293	D	0	23	-0.09	0.19	0.81
30294	A	1	12	0.28	0.24	1.39
30294	B	0	12	0.55	0.31	2.06
30294	C	0	5	-0.13	0.34	0.79
30294	D	0	20	-0.06	0.17	0.9
30295	A	1	10	0.18	0.3	1.66
30295	B	0	9	-0.36	0.29	0.81
30295	C	0	8	0.28	0.18	1.2
30295	D	0	15	-0.11	0.67	3.85
30296	A	1	21	0.79	0.21	1.05
30296	B	0	8	0.16	0.24	0.96
30296	C	0	8	-0.33	0.32	0.71
30296	D	0	10	0.12	0.19	0.89
30297	A	1	24	0.17	0.19	0.95
30297	B	0	5	-0.17	0.36	1.37
30297	C	0	5	-0.64	0.18	0.71
30297	D	0	12	-0.72	0.23	0.79
30298	A	1	15	0.52	0.2	1.25
30298	B	0	21	0.1	0.3	1.28
30298	C	0	0	0	0	0
30298	D	0	1	0.23	0	0.82
30299	A	1	17	0.73	0.17	0.76
30299	B	0	10	0.07	0.2	1
30299	C	0	5	0.11	0.21	0.95

30299	D	0	17	-0.34	0.22	0.81
30300	A	1	22	0.93	0.37	1.08
30300	B	0	7	-0.02	0.36	1.38
30300	C	0	3	-0.21	1.26	2.93
30300	D	0	10	-0.86	0.43	0.77
30302	A	1	21	0.83	0.12	0.64
30302	B	0	9	0.13	0.25	1.17
30302	C	0	2	-1.53	0.28	0.18
30302	D	0	11	-0.72	0.37	0.63
30303	A	1	32	0.9	0.13	0.76
30303	B	0	7	-0.34	0.13	0.52
30303	C	0	3	0.24	0.07	0.88
30303	D	0	19	-0.16	0.16	0.76
30304	A	1	32	0.47	0.16	1.17
30304	B	0	13	0.13	0.32	1.77
30304	C	0	1	-1.06	0	0.28
30304	D	0	12	-0.11	0.21	0.93
30305	A	1	33	0.88	0.13	0.82
30305	B	0	8	0.28	0.23	1.08
30305	C	0	3	-0.41	0.31	0.49
30305	D	0	12	-0.41	0.23	0.61
30306	A	1	16	0.9	0.37	0.77
30306	B	0	4	-0.47	0.19	0.6
30306	C	0	7	-0.01	0.32	1.26
30306	D	0	16	-1.2	0.56	0.73
30307	A	1	32	0.42	0.14	1.15
30307	B	0	11	0.37	0.13	1.29
30307	C	0	4	-0.3	0.07	0.61
30307	D	0	3	-1.02	0.51	0.36
30308	A	1	23	0.27	0.22	1.27
30308	B	0	7	0.05	0.22	1.22
30308	C	0	10	-0.29	0.25	1
30308	D	0	3	-1.12	0.09	0.34
30309	A	1	30	0.26	0.16	0.96
30309	B	0	7	0.14	0.26	1.51
30309	C	0	6	-0.87	0.22	0.52
30309	D	0	4	-0.81	0.46	0.65
30310	A	1	19	0.92	0.18	0.76
30310	B	0	4	0.28	0.15	1.07
30310	C	0	15	-0.57	0.29	0.78
30310	D	0	8	-0.48	0.27	0.61
30311	A	1	23	0.32	0.17	0.93
30311	B	0	8	0.08	0.25	1.41
30311	C	0	8	-0.58	0.21	0.72
30311	D	0	5	-1.13	0.15	0.37
30312	A	1	24	0.32	0.29	1.16
30312	B	0	4	-0.76	0.14	0.51
30312	C	0	8	0.33	0.17	1.64
30312	D	0	8	-1.1	0.8	0.85
30313	A	1	15	0.99	0.41	0.98
30313	B	0	9	-0.45	0.33	0.69
30313	C	0	14	0.17	0.26	1.41
30313	D	0	2	-0.9	0.57	0.34
30314	A	1	31	0.7	0.3	1.33

30314	B	0	4	-0.06	0.56	1.46
30314	C	0	4	-0.23	0.33	0.94
30314	D	0	5	-1.18	0.59	0.53
30315	A	1	21	0.79	0.18	0.88
30315	B	0	4	-0.38	0.27	0.55
30315	C	0	1	-0.09	0	0.65
30315	D	0	16	0.01	0.21	1
30316	A	1	28	0.7	0.14	0.73
30316	B	0	11	-0.45	0.15	0.63
30316	C	0	2	-0.58	0.05	0.5
30316	D	0	14	-0.42	0.18	0.72
30317	A	1	29	0.8	0.14	0.82
30317	B	0	9	-0.13	0.21	0.77
30317	C	0	1	-1.57	0	0.16
30317	D	0	6	-0.63	0.41	0.59
30318	A	1	26	0.54	0.14	0.89
30318	B	0	5	-0.39	0.45	0.83
30318	C	0	2	-1.21	0.45	0.28
30318	D	0	9	-0.06	0.23	0.98
30319	A	1	27	0.64	0.28	1.27
30319	B	0	2	0.45	0.31	1.49
30319	C	0	4	-0.22	0.41	0.95
30319	D	0	17	-0.61	0.36	0.84
30320	A	1	17	0.66	0.23	1.14
30320	B	0	5	0.42	0.25	1.13
30320	C	0	5	0.13	0.49	1.27
30320	D	0	18	-0.16	0.38	1.13
30321	A	1	13	0.6	0.31	1.39
30321	B	0	7	0.16	0.16	0.83
30321	C	0	8	0.23	0.36	1.28
30321	D	0	20	0.06	0.19	0.99
30322	A	1	7	0.64	0.47	1.35
30322	B	0	10	-0.19	0.4	0.89
30322	C	0	9	0.6	0.43	2.27
30322	D	0	27	-0.21	0.19	0.8
30323	A	1	9	0.29	0.32	1.69
30323	B	0	6	0.51	0.4	1.43
30323	C	0	7	0.2	0.29	0.95
30323	D	0	21	0.15	0.24	1.13
30324	A	1	8	0.82	0.4	1.14
30324	B	0	30	0.33	0.11	1.05
30324	C	0	4	-0.18	0.3	0.59
30324	D	0	4	-2.29	1.57	0.34
30325	A	1	10	0.83	0.28	0.91
30325	B	0	22	0.23	0.16	1.07
30325	C	0	2	-0.19	0.31	0.58
30325	D	0	7	-0.44	0.25	0.52
30326	A	1	18	0.58	0.21	1.05
30326	B	0	2	-0.46	0.64	0.59
30326	C	0	2	0.85	0.3	1.87
30326	D	0	18	-0.07	0.15	0.88
30327	A	1	27	0.64	0.22	1.67
30327	B	0	7	0.09	0.25	1.04
30327	C	0	5	0	0.43	1.04

30327	D	0	11	-0.53	0.22	0.58
30328	A	1	18	1.17	0.37	1.08
30328	B	0	5	0.5	0.22	1.03
30328	C	0	1	-1.23	0	0.17
30328	D	0	17	0.22	0.23	1.45
30329	A	1	10	1.12	0.27	0.72
30329	B	0	7	0.16	0.32	0.93
30329	C	0	7	0.38	0.29	1.1
30329	D	0	21	-0.39	0.36	0.84
30330	A	1	10	0.26	0.27	1.48
30330	B	0	7	0.42	0.22	1.28
30330	C	0	6	0.48	0.47	1.83
30330	D	0	20	-0.14	0.23	1.01
30331	A	1	8	0.76	0.32	1.42
30331	B	0	9	0.65	0.44	1.94
30331	C	0	6	0.21	0.36	0.82
30331	D	0	18	0.25	0.28	1.36
30332	A	1	14	0.94	0.33	2.16
30332	B	0	22	0.3	0.2	1.12
30332	C	0	2	-0.74	0.75	0.35
30332	D	0	6	-0.73	0.66	0.61
30333	A	1	11	1.07	0.13	0.67
30333	B	0	21	0.4	0.2	1.16
30333	C	0	10	0.26	0.22	0.9
30333	D	0	10	-0.02	0.16	0.6
30334	A	1	11	0.49	0.24	1.09
30334	B	0	28	0.09	0.18	1.17
30334	C	0	5	0.23	0.28	1.04
30334	D	0	3	-0.78	0.26	0.35
30335	A	1	17	0.68	0.45	1.27
30335	B	0	1	0.77	0	1.76
30335	C	0	8	-0.49	0.44	0.87
30335	D	0	15	0.08	0.16	1.04
30336	A	1	23	0.27	0.17	0.97
30336	B	0	4	-0.45	0.16	0.67
30336	C	0	2	-0.21	0.57	0.96
30336	D	0	11	-0.18	0.26	1.17
30337	A	1	18	1.03	0.5	1.19
30337	B	0	3	-1.08	0.96	0.46
30337	C	0	9	0.23	0.37	1.59
30337	D	0	14	-0.15	0.24	0.97
30338	A	1	22	0.87	0.17	0.69
30338	B	0	3	-0.77	0.43	0.48
30338	C	0	2	-0.18	0.1	0.71
30338	D	0	14	-0.68	0.29	0.69
30339	A	1	14	1.51	0.44	0.69
30339	B	0	8	0.64	0.37	1.76
30339	C	0	9	-0.38	0.28	0.53
30339	D	0	19	-0.6	0.38	0.59
30340	A	1	28	0.67	0.18	1.23
30340	B	0	5	-0.09	0.61	1.06
30340	C	0	2	-0.38	0.14	0.48
30340	D	0	12	0.21	0.28	1.22
30341	A	1	13	0.74	0.27	1.1

30341	B	0	6	-0.03	0.29	0.79
30341	C	0	10	0.35	0.27	1.19
30341	D	0	21	0.09	0.16	0.87
30342	A	1	26	0.39	0.13	0.79
30342	B	0	5	-0.52	0.44	0.93
30342	C	0	2	0.14	0.02	1.23
30342	D	0	13	-0.69	0.15	0.61
30343	A	1	12	0.03	0.67	4.77
30343	B	0	1	-0.34	0	0.67
30343	C	0	8	-0.46	0.41	0.85
30343	D	0	21	-0.27	0.18	0.98
30344	A	1	25	0.52	0.12	0.79
30344	B	0	5	-0.49	0.41	0.78
30344	C	0	0	0	0	0
30344	D	0	20	-0.45	0.15	0.73
30345	A	1	15	0.64	0.15	0.81
30345	B	0	5	0.6	0.34	1.7
30345	C	0	9	-0.05	0.24	0.87
30345	D	0	19	-0.33	0.23	0.84
30346	A	1	26	0.67	0.16	0.89
30346	B	0	5	-0.21	0.3	0.74
30346	C	0	3	-1.17	0.59	0.33
30346	D	0	11	-0.06	0.36	1.31
30347	A	1	12	0.73	0.12	0.63
30347	B	0	4	0.11	0.24	1.02
30347	C	0	10	0.35	0.26	1.51
30347	D	0	16	-0.9	0.26	0.65
30348	A	1	23	0.88	0.17	0.67
30348	B	0	6	-0.16	0.4	1.08
30348	C	0	3	-0.43	0.27	0.58
30348	D	0	13	-0.68	0.26	0.66
30349	A	1	14	1.92	0.56	0.88
30349	B	0	4	0.9	0.45	1.46
30349	C	0	7	0.32	0.29	0.84
30349	D	0	15	-0.2	0.21	0.56
30350	A	1	31	0.67	0.16	0.81
30350	B	0	3	0.12	0.41	1.16
30350	C	0	1	-0.28	0	0.67
30350	D	0	16	-0.35	0.48	2.39
30351	A	1	10	0.02	0.29	1.8
30351	B	0	23	0.2	0.22	1.59
30351	C	0	2	0.34	0.31	1.15
30351	D	0	6	-0.67	0.32	0.54
30352	A	1	14	0.79	0.21	0.75
30352	B	0	0	0	0	0
30352	C	0	31	-0.05	0.14	1
30352	D	0	10	-1.12	0.39	0.46
30353	A	1	18	0.55	0.18	0.95
30353	B	0	29	0.01	0.13	1.03
30353	C	0	1	-0.07	0	0.74
30353	D	0	3	-0.8	0.3	0.39
30354	A	1	42	0.04	0.14	1.02
30354	B	0	6	0.39	0.2	2.26
30354	C	0	1	-0.9	0	0.56



30354	D	0	5	-1.69	0.36	0.32
30355	A	1	5	0.66	0.32	1.26
30355	B	0	28	0.56	0.17	1.37
30355	C	0	7	0.25	0.34	0.94
30355	D	0	7	-0.99	0.22	0.23
30356	A	1	14	0.52	0.25	1.13
30356	B	0	29	0.05	0.21	1.14
30356	C	0	3	0.68	0.95	3.57
30356	D	0	7	-1.31	0.42	0.3
30357	A	1	30	-0.02	0.29	1.69
30357	B	0	2	-0.82	0.92	0.92
30357	C	0	4	-0.52	0.3	0.95
30357	D	0	1	1.43	0	5.98
30358	A	1	37	0.29	0.18	1.12
30358	B	0	2	0.13	0.23	1.31
30358	C	0	0	0	0	0
30358	D	0	2	0.03	0.32	1.21
30359	A	1	22	0.75	0.17	0.7
30359	B	0	2	-0.03	0.63	1.02
30359	C	0	14	-0.37	0.22	0.84
30359	D	0	16	-0.55	0.25	0.77
30360	A	1	35	0.26	0.17	1.29
30360	B	0	1	0.65	0	1.95
30360	C	0	2	-0.86	0.62	0.52
30360	D	0	6	0.34	0.32	1.81
30361	A	1	29	0.22	0.19	1.1
30361	B	0	2	-1.05	0.09	0.44
30361	C	0	4	0.12	0.28	1.57
30361	D	0	3	-1.25	0.15	0.36
30362	A	1	28	0.19	0.19	1.34
30362	B	0	4	-0.66	0.2	0.56
30362	C	0	10	-0.24	0.21	1.06
30362	D	0	4	-0.26	0.25	0.91
30363	A	1	41	0.32	0.15	0.99
30363	B	0	6	0.22	0.7	2.78
30363	C	0	0	0	0	0
30363	D	0	4	-1.22	0.29	0.38
30364	A	1	1440	0.56	0.03	1.05
30364	B	0	610	-0.05	0.03	1.13
30364	C	0	169	-0.4	0.06	0.8
30364	D	0	287	-0.85	0.08	0.62
30365	A	1	24	0.47	0.19	1.12
30365	B	0	11	-0.05	0.18	1.03
30365	C	0	3	0.32	0.68	2.08
30365	D	0	10	-0.93	0.33	0.56
30366	A	1	27	0.13	0.16	0.82
30366	B	0	8	-0.35	0.32	1.59
30366	C	0	3	-1.55	0.2	0.33
30366	D	0	6	-1.38	0.23	0.43
30367	A	1	35	0.78	0.23	0.89
30367	B	0	3	-0.83	0.39	0.46
30367	C	0	6	-0.13	0.27	0.93
30367	D	0	4	-0.9	0.66	0.71
30368	A	1	45	0.25	0.14	0.99

30368	B	0	2	-0.09	0.12	1.06
30368	C	0	1	-1.17	0	0.36
30368	D	0	5	-0.71	0.18	0.61
30369	A	1	28	0.36	0.17	1.02
30369	B	0	6	-0.13	0.34	1.16
30369	C	0	5	-0.54	0.31	0.72
30369	D	0	6	-0.35	0.16	0.76
30370	A	1	36	0.32	0.14	0.98
30370	B	0	3	-0.47	0.34	0.75
30370	C	0	2	-0.43	0.39	0.75
30370	D	0	3	-0.83	0.38	0.53
30371	A	1	2	1.29	0.24	0.57
30371	B	0	31	0.17	0.22	1.14
30371	C	0	2	0.51	0.41	0.89
30371	D	0	10	-0.18	0.44	0.69
30372	A	1	26	0.26	0.14	1.05
30372	B	0	12	-0.15	0.23	1.01
30372	C	0	4	0.19	0.56	1.57
30372	D	0	6	-0.2	0.09	0.77
30373	A	1	1	-0.38	0	3.87
30373	B	0	33	0.61	0.24	1.41
30373	C	0	7	0.17	0.35	0.65
30373	D	0	12	-0.45	0.21	0.3
30374	A	1	22	0.17	0.14	1.2
30374	B	0	4	0.6	0.27	1.78
30374	C	0	3	-0.13	0.43	0.9
30374	D	0	12	-0.03	0.24	1.12
30375	A	1	15	0.94	0.25	0.81
30375	B	0	6	-0.39	0.42	0.74
30375	C	0	5	0.27	0.17	1.01
30375	D	0	23	-0.23	0.17	0.82
30376	A	1	18	1.13	0.52	1.35
30376	B	0	2	0.45	0.37	1.4
30376	C	0	6	-0.16	0.46	1.12
30376	D	0	16	-0.6	0.27	0.73
30377	A	1	6	0.8	0.3	0.87
30377	B	0	7	-0.03	0.23	0.76
30377	C	0	11	0.61	0.31	2.09
30377	D	0	18	-0.18	0.18	0.68
30378	A	1	7	0.43	0.2	1.1
30378	B	0	5	-0.22	0.59	0.87
30378	C	0	17	0.48	0.21	1.64
30378	D	0	12	-0.2	0.36	0.81
30379	A	1	6	0.16	0.32	1.64
30379	B	0	23	0.4	0.2	1.5
30379	C	0	11	-0.01	0.27	0.92
30379	D	0	7	-0.93	0.39	0.4
30380	A	1	5	0.89	0.35	0.8
30380	B	0	11	0.52	0.23	1.33
30380	C	0	14	-0.21	0.29	0.78
30380	D	0	12	0.03	0.24	0.85
30381	A	1	19	0.59	0.2	0.8
30381	B	0	6	-0.41	0.28	0.79
30381	C	0	4	-0.06	1.06	2.44

30381	D	0	10	-1.28	0.61	0.53
30382	A	1	24	0.29	0.18	0.73
30382	B	0	2	-0.77	0.06	0.67
30382	C	0	1	-1.43	0	0.34
30382	D	0	10	-1.54	0.59	0.61
30383	A	1	30	0.74	0.2	0.95
30383	B	0	2	-0.88	0.68	0.45
30383	C	0	9	-0.48	0.2	0.63
30383	D	0	3	-0.49	0.21	0.56
30384	A	1	35	0.81	0.13	0.71
30384	B	0	0	0	0	0
30384	C	0	3	-0.22	0.88	1.44
30384	D	0	6	-1.25	0.49	0.36
30385	A	1	31	0.22	0.16	1.17
30385	B	0	2	-0.33	0.66	0.99
30385	C	0	3	-0.59	0.35	0.7
30385	D	0	8	-0.45	0.47	1.34
30386	A	1	30	0.89	0.24	0.72
30386	B	0	4	-0.42	0.41	0.71
30386	C	0	3	-1.16	0.34	0.3
30386	D	0	4	-0.7	0.34	0.52
30387	A	1	32	1.22	0.29	0.65
30387	B	0	4	-0.42	0.22	0.56
30387	C	0	6	-0.32	0.37	0.81
30387	D	0	6	-1.37	0.27	0.24
30388	A	1	31	0.71	0.16	0.83
30388	B	0	2	-0.78	0.69	0.52
30388	C	0	5	-0.9	0.4	0.49
30388	D	0	8	-0.49	0.31	0.76
30389	A	1	25	0.75	0.2	0.81
30389	B	0	8	-0.09	0.39	1.36
30389	C	0	4	-0.14	0.17	0.77
30389	D	0	8	-1.32	0.81	0.71
30390	A	1	3	0.29	0.93	2.02
30390	B	0	22	0.4	0.19	1.44
30390	C	0	3	-0.74	0.78	0.52
30390	D	0	14	-0.53	0.24	0.5
30391	A	1	27	0.66	0.2	1.19
30391	B	0	7	0.85	0.33	2.24
30391	C	0	2	0.29	0.01	0.92
30391	D	0	20	-0.17	0.18	0.75
30392	A	1	16	0.36	0.17	1.16
30392	B	0	8	0.15	0.36	1.19
30392	C	0	10	0.52	0.3	2.02
30392	D	0	9	-1.03	0.77	0.69
30393	A	1	17	0.21	0.23	1.37
30393	B	0	8	-0.41	0.37	0.89
30393	C	0	3	-0.15	0.32	0.85
30393	D	0	14	-0.04	0.33	1.31
30394	A	1	19	0.6	0.18	0.87
30394	B	0	10	-0.2	0.12	0.73
30394	C	0	3	0.54	0.4	1.68
30394	D	0	7	-0.52	0.26	0.57
30395	A	1	3	1.31	0.26	0.36

30395	B	0	6	0.43	0.33	1.64
30395	C	0	8	-0.38	0.33	0.78
30395	D	0	24	-0.35	0.19	0.76
30396	A	1	6	0.67	0.51	1.55
30396	B	0	8	0.03	0.29	0.75
30396	C	0	10	0.39	0.34	1.36
30396	D	0	18	0.15	0.25	0.94
30397	A	1	12	1.05	0.27	0.79
30397	B	0	2	0.15	0.14	0.73
30397	C	0	5	0.21	0.37	1.1
30397	D	0	22	-0.36	0.38	0.9
30398	A	1	13	0.53	0.24	1.23
30398	B	0	11	0.44	0.27	1.39
30398	C	0	11	0.28	0.25	1.32
30398	D	0	7	-0.6	0.46	0.55
30399	A	1	21	0.58	0.34	1.13
30399	B	0	10	0.23	0.22	1.4
30399	C	0	6	-0.14	0.26	0.93
30399	D	0	6	-1.05	0.42	0.45
30400	A	1	10	0.74	0.62	1.38
30400	B	0	16	0.21	0.18	1.15
30400	C	0	7	-0.04	0.53	1.48
30400	D	0	11	-0.39	0.3	0.8
30401	A	1	40	0.21	0.12	0.87
30401	B	0	1	-1.37	0	0.31
30401	C	0	1	0.35	0	1.74
30401	D	0	2	-1.63	0.64	0.29
30402	A	1	34	0.37	0.16	0.77
30402	B	0	5	-0.89	0.24	0.57
30402	C	0	1	-0.65	0	0.64
30402	D	0	3	-2.81	1.99	0.38
30403	A	1	46	0.31	0.16	1.14
30403	B	0	1	-0.34	0	0.83
30403	C	0	3	0.24	0.56	1.91
30403	D	0	0	0	0	0
30404	A	1	43	0.1	0.16	1.06
30404	B	0	1	0.32	0	2.36
30404	C	0	1	-2.79	0	0.1
30404	D	0	1	-0.55	0	0.99
30405	A	1	19	0.64	0.25	1.1
30405	B	0	17	0.21	0.22	1.35
30405	C	0	4	-0.56	0.26	0.48
30405	D	0	2	-0.81	1.05	0.54
30406	A	1	31	0.33	0.17	1.02
30406	B	0	5	-0.01	0.47	1.79
30406	C	0	2	-0.35	0.04	0.8
30406	D	0	1	-6.68	0	0.02
30407	A	1	19	0.67	0.21	1.04
30407	B	0	17	0.08	0.2	1.03
30407	C	0	4	-0.53	0.53	0.68
30407	D	0	2	-4.12	3.14	0.15
30408	A	1	46	0.6	0.11	0.92
30408	B	0	6	0.26	0.18	1.14
30408	C	0	3	-1.75	0.86	0.25

30408	D	0	0	0	0	0
30409	A	1	12	0.53	0.31	1.03
30409	B	0	17	-0.23	0.13	0.79
30409	C	0	7	0.1	0.24	1.14
30409	D	0	4	-0.58	0.42	0.64
30410	A	1	31	0.51	0.12	0.79
30410	B	0	6	-0.1	0.21	0.93
30410	C	0	3	-1.38	0.87	0.39
30410	D	0	3	-0.92	0.26	0.4
30411	A	1	34	0.4	0.15	0.84
30411	B	0	4	-0.53	0.71	1.4
30411	C	0	4	-0.54	0.83	1.82
30411	D	0	1	-1.14	0	0.34
30412	A	1	44	0.67	0.2	0.99
30412	B	0	3	-0.51	0.67	0.86
30412	C	0	5	-0.45	0.46	0.84
30412	D	0	0	0	0	0
30413	A	1	32	0.45	0.19	1.23
30413	B	0	2	-0.97	0.12	0.36
30413	C	0	7	0.44	0.21	1.65
30413	D	0	2	-1.37	0.14	0.24
30414	A	1	24	0.29	0.16	0.87
30414	B	0	10	-0.2	0.32	1.36
30414	C	0	4	-0.61	0.22	0.64
30414	D	0	8	-0.78	0.36	0.78
30415	A	1	48	0.44	0.19	1.04
30415	B	0	2	-0.78	0.54	0.58
30415	C	0	0	0	0	0
30415	D	0	1	-0.21	0	0.9
30416	A	1	39	0.35	0.13	0.9
30416	B	0	0	0	0	0
30416	C	0	5	-0.33	0.54	1.36
30416	D	0	1	-1.99	0	0.15
30417	A	1	19	0.94	0.35	0.76
30417	B	0	18	0.04	0.14	0.98
30417	C	0	3	-1.53	0.38	0.2
30417	D	0	3	-0.8	0.61	0.52
30418	A	1	26	0.38	0.14	0.87
30418	B	0	7	-0.38	0.46	1.12
30418	C	0	8	-0.31	0.33	1.06
30418	D	0	6	-0.49	0.29	0.73
30419	A	1	26	0.36	0.17	1
30419	B	0	9	-0.13	0.32	1.24
30419	C	0	3	-0.57	0.32	0.66
30419	D	0	2	-2.57	0.64	0.1
30420	A	1	27	0.58	0.28	0.96
30420	B	0	10	0.2	0.26	1.49
30420	C	0	1	-1.82	0	0.15
30420	D	0	4	-1.08	0.38	0.41
30421	A	1	33	0.44	0.24	0.88
30421	B	0	2	-0.55	0.58	0.82
30421	C	0	3	-0.66	0.12	0.64
30421	D	0	4	-1.89	1.48	0.61
30422	A	1	31	0.6	0.17	0.87

30422	B	0	4	0.05	0.24	1.07
30422	C	0	1	-1.12	0	0.3
30422	D	0	3	-2.53	2.22	0.46
30423	A	1	14	0.7	0.25	1.24
30423	B	0	2	0.09	0.67	0.79
30423	C	0	24	0.4	0.22	1.46
30423	D	0	5	-0.69	0.3	0.35
30424	A	1	33	0.51	0.24	1.02
30424	B	0	2	-1.71	0.58	0.29
30424	C	0	5	0.09	0.16	1.54
30424	D	0	4	-4.49	1.43	0.1
30425	A	1	33	0.29	0.14	0.92
30425	B	0	2	-1.23	0.71	0.41
30425	C	0	5	-0.18	0.56	1.64
30425	D	0	3	-0.73	0.31	0.58
30426	A	1	33	0.29	0.14	0.86
30426	B	0	5	-0.38	0.4	1.25
30426	C	0	2	-0.86	0.47	0.57
30426	D	0	4	-1.36	0.72	0.6
30427	A	1	29	-0.08	0.16	1.24
30427	B	0	6	-0.06	0.4	1.94
30427	C	0	3	-0.28	0.42	1.18
30427	D	0	2	-0.79	0.81	0.8
30428	A	1	33	0.13	0.19	1.43
30428	B	0	0	0	0	0
30428	C	0	3	0.26	0.15	1.61
30428	D	0	2	0.18	0.5	1.65
30429	A	1	34	0.24	0.18	0.99
30429	B	0	3	-1.44	0.25	0.32
30429	C	0	2	0.61	0.79	3.09
30429	D	0	1	-0.21	0	1.02
30430	A	1	32	0.4	0.14	0.97
30430	B	0	4	-0.02	0.53	1.29
30430	C	0	3	0.88	0.43	2.66
30430	D	0	3	-1.4	0.58	0.3
30431	A	1	31	0.36	0.28	0.92
30431	B	0	3	-0.89	0.34	0.74
30431	C	0	2	-0.97	0.77	0.81
30431	D	0	5	-3	1.34	0.52
30432	A	1	34	0.68	0.24	0.95
30432	B	0	7	-0.83	0.61	0.79
30432	C	0	2	0.76	1.02	2.9
30432	D	0	2	-0.95	1.32	0.68
30433	A	1	30	0.07	0.14	0.92
30433	B	0	3	-0.28	0.11	1.03
30433	C	0	6	-1.16	0.33	0.55
30433	D	0	2	-0.37	0.15	0.94
30434	A	1	27	0.78	0.17	0.8
30434	B	0	3	-0.64	0.23	0.45
30434	C	0	3	0.39	0.1	1.21
30434	D	0	5	-0.97	0.2	0.33
30435	A	1	37	0.21	0.13	0.9
30435	B	0	4	-0.7	0.35	0.68
30435	C	0	2	-1.26	0.09	0.34

30435	D	0	0	0	0	0
30436	A	1	46	0.13	0.14	1.11
30436	B	0	6	-0.76	0.52	0.98
30436	C	0	1	-0.1	0	1.18
30436	D	0	1	0.66	0	2.54
30437	A	1	29	0.2	0.17	1.14
30437	B	0	7	-0.1	0.27	1.17
30437	C	0	4	-0.87	0.26	0.51
30437	D	0	1	0.53	0	1.87
30438	A	1	35	0.27	0.17	0.89
30438	B	0	2	-0.07	0.68	1.53
30438	C	0	4	-0.51	0.75	1.33
30438	D	0	1	-6.79	0	0.03
30439	A	1	35	0.29	0.16	0.91
30439	B	0	5	-0.84	0.16	0.62
30439	C	0	0	0	0	0
30439	D	0	4	-2.44	1.69	0.68
30440	A	1	24	0.86	0.16	0.79
30440	B	0	4	0.35	0.45	1.24
30440	C	0	2	-0.37	0.13	0.49
30440	D	0	24	-0.16	0.16	0.78
30441	A	1	19	0.8	0.38	1.15
30441	B	0	9	0.26	0.27	1.26
30441	C	0	13	0	0.19	0.88
30441	D	0	7	-0.06	0.27	0.87
30442	A	1	9	0.28	0.36	1.67
30442	B	0	11	-0.08	0.21	0.94
30442	C	0	7	0.31	0.44	1.63
30442	D	0	12	-0.19	0.26	1
30443	A	1	13	0.5	0.35	1.27
30443	B	0	9	-0.26	0.21	0.84
30443	C	0	16	-0.25	0.18	0.92
30443	D	0	7	-0.55	0.23	0.65
30444	A	1	17	0.95	0.41	0.95
30444	B	0	18	-0.18	0.22	0.92
30444	C	0	3	-0.16	0.58	0.91
30444	D	0	4	0.14	0.2	0.91
30445	A	1	13	0.95	0.45	0.89
30445	B	0	10	0.04	0.39	1.63
30445	C	0	5	-0.34	0.24	0.59
30445	D	0	15	-0.32	0.36	1.09
30446	A	1	22	0.71	0.17	0.91
30446	B	0	13	0.1	0.28	1.27
30446	C	0	7	-0.12	0.13	0.67
30446	D	0	6	-0.24	0.37	0.76
30447	A	1	12	0.4	0.31	1.63
30447	B	0	7	0.23	0.34	1.61
30447	C	0	10	0.22	0.23	1.37
30447	D	0	13	-1.2	0.55	0.61
30448	A	1	41	0.77	0.12	0.78
30448	B	0	0	0	0	0
30448	C	0	8	0.08	0.16	0.95
30448	D	0	9	-1.5	0.71	0.39
30449	A	1	15	0.59	0.17	0.74

30449	B	0	2	0.35	0.06	1.29
30449	C	0	18	-0.26	0.19	0.9
30449	D	0	13	-0.8	0.52	0.73
30450	A	1	22	0.26	0.19	1.21
30450	B	0	3	0.15	0.35	1.28
30450	C	0	9	-0.24	0.18	0.87
30450	D	0	6	-0.14	0.48	1.59
30451	A	1	11	0.45	0.22	1.31
30451	B	0	18	0.37	0.29	1.82
30451	C	0	4	-0.16	0.33	0.63
30451	D	0	8	-0.01	0.36	0.97
30452	A	1	15	0.52	0.21	0.88
30452	B	0	14	-0.07	0.2	1.11
30452	C	0	2	0.21	0.04	1.11
30452	D	0	15	-0.53	0.21	0.77
30453	A	1	9	0.8	0.29	0.75
30453	B	0	17	-0.05	0.19	1.07
30453	C	0	5	-0.4	0.23	0.63
30453	D	0	13	-0.91	0.51	0.67
30454	A	1	16	0.59	0.37	2.65
30454	B	0	4	-0.33	0.32	0.68
30454	C	0	13	0.09	0.2	1.11
30454	D	0	13	-0.51	0.24	0.67
30455	A	1	15	0.75	0.28	1.12
30455	B	0	15	0.12	0.17	0.98
30455	C	0	2	0.12	0.43	0.88
30455	D	0	17	-0.24	0.23	0.79
30456	A	1	9	1.11	0.43	1.54
30456	B	0	20	0.39	0.19	1.02
30456	C	0	2	0.82	0.72	1.36
30456	D	0	6	0.05	0.49	0.83
30457	A	1	41	0.27	0.13	0.91
30457	B	0	3	-1	0.43	0.49
30457	C	0	1	1.15	0	3.54
30457	D	0	2	-1.07	0.15	0.39
30458	A	1	33	0.4	0.14	1.03
30458	B	0	1	0.4	0	1.31
30458	C	0	3	0.36	0.27	1.36
30458	D	0	3	-0.59	0.48	0.6
30459	A	1	22	0.77	0.21	0.98
30459	B	0	9	0.07	0.24	0.89
30459	C	0	5	0.09	0.2	0.83
30459	D	0	9	-0.16	0.36	0.9
30460	A	1	431	0.8	0.07	1.38
30460	B	0	981	0.32	0.03	1.27
30460	C	0	686	0.09	0.03	0.93
30460	D	0	419	-0.62	0.06	0.55
30461	A	1	13	0.85	0.2	0.67
30461	B	0	9	-0.04	0.27	0.95
30461	C	0	14	-0.09	0.2	0.93
30461	D	0	11	-0.77	0.63	0.74
30462	A	1	12	0.69	0.37	1.63
30462	B	0	23	0.07	0.15	0.96
30462	C	0	3	0.03	0.63	1.06



30462	D	0	10	-0.35	0.28	0.71
30463	A	1	10	0.95	0.21	0.73
30463	B	0	9	0.88	0.22	2.03
30463	C	0	9	0.21	0.24	0.99
30463	D	0	21	-0.47	0.19	0.53
30464	A	1	6	1.42	0.49	0.76
30464	B	0	9	0.44	0.19	1.03
30464	C	0	8	0.24	0.34	1.12
30464	D	0	21	-0.17	0.17	0.64
30465	A	1	4	0.48	0.04	1
30465	B	0	9	0.63	0.28	1.54
30465	C	0	12	0.4	0.4	1.64
30465	D	0	22	-0.41	0.24	0.63
30466	A	1	12	0.91	0.24	0.8
30466	B	0	9	0.2	0.51	1.67
30466	C	0	3	-0.54	0.5	0.49
30466	D	0	20	-0.56	0.39	0.86
30467	A	1	11	0.84	0.28	0.77
30467	B	0	6	-0.62	0.34	0.59
30467	C	0	9	0.1	0.38	1.36
30467	D	0	16	-0.33	0.19	0.74
30468	A	1	2	0.5	0.37	1.13
30468	B	0	14	0.25	0.17	0.89
30468	C	0	9	0.79	0.26	1.63
30468	D	0	14	-0.09	0.24	0.8
30469	A	1	8	0.43	0.46	1.8
30469	B	0	9	-0.15	0.35	0.89
30469	C	0	7	0.39	0.33	1.47
30469	D	0	32	-0.12	0.16	0.92
30470	A	1	15	0.38	0.31	1.82
30470	B	0	7	0.43	0.29	1.2
30470	C	0	7	0.39	0.48	1.6
30470	D	0	18	0.25	0.24	1.32
30471	A	1	12	0.61	0.32	1.49
30471	B	0	10	0.12	0.32	1
30471	C	0	3	1.44	0.32	2.82
30471	D	0	28	0.06	0.14	0.85
30472	A	1	5	1.36	0.64	0.83
30472	B	0	14	-0.03	0.32	0.95
30472	C	0	11	0.14	0.33	0.92
30472	D	0	18	-0.01	0.24	0.9
30473	A	1	20	0.72	0.39	1.32
30473	B	0	16	0.21	0.2	1.2
30473	C	0	9	0	0.25	1
30473	D	0	15	-0.2	0.2	0.78
30474	A	1	11	0.56	0.29	1.14
30474	B	0	10	0.83	0.25	2.01
30474	C	0	3	-0.03	1.14	1.45
30474	D	0	24	-0.38	0.15	0.61
30475	A	1	14	1.01	0.41	0.9
30475	B	0	8	0.44	0.2	1.2
30475	C	0	2	-0.04	0.03	0.65
30475	D	0	19	-0.14	0.2	0.85
30476	A	1	35	0.22	0.15	1.06

30476	B	0	4	-0.27	0.43	1.08
30476	C	0	7	0.05	0.34	1.51
30476	D	0	2	-1.37	0.54	0.31
30477	A	1	24	0.6	0.24	1.13
30477	B	0	14	-0.2	0.18	0.87
30477	C	0	4	0.02	0.48	1.22
30477	D	0	7	-0.56	0.33	0.69
30478	A	1	44	0.45	0.14	1.09
30478	B	0	4	-0.14	0.3	0.87
30478	C	0	2	0.41	0.62	1.59
30478	D	0	4	-0.32	0.1	0.65
30479	A	1	17	0.49	0.24	1.24
30479	B	0	4	-0.27	0.6	0.9
30479	C	0	11	-0.43	0.46	0.88
30479	D	0	9	-0.01	0.29	1.11
30480	A	1	17	1.18	0.39	0.7
30480	B	0	3	0.18	0.72	1.45
30480	C	0	11	0.04	0.26	1.05
30480	D	0	12	-0.95	0.51	0.48
30481	A	1	15	0.34	0.28	1.45
30481	B	0	4	0.31	0.53	2.03
30481	C	0	9	-0.45	0.36	1.33
30481	D	0	15	-0.53	0.2	0.78
30482	A	1	13	0.66	0.23	0.99
30482	B	0	5	0.65	0.35	1.74
30482	C	0	4	0.3	0.11	0.98
30482	D	0	21	-0.17	0.16	0.78
30483	A	1	16	0.79	0.24	0.88
30483	B	0	2	0.36	0.18	1.09
30483	C	0	7	-0.6	0.37	0.58
30483	D	0	18	-0.04	0.22	1.06
30484	A	1	16	0.72	0.28	1.45
30484	B	0	6	-0.03	0.33	0.92
30484	C	0	11	-0.09	0.18	0.77
30484	D	0	18	-0.06	0.15	0.84
30485	A	1	4	0.67	0.45	1.24
30485	B	0	16	0.2	0.16	0.86
30485	C	0	7	0.72	0.41	1.76
30485	D	0	21	0.12	0.21	0.95
30486	A	1	8	0.71	0.94	2.15
30486	B	0	15	0.15	0.13	1.04
30486	C	0	5	-0.46	0.81	1.18
30486	D	0	18	-0.41	0.27	0.89
30487	A	1	14	0.29	0.24	1.12
30487	B	0	6	-0.46	0.29	0.7
30487	C	0	5	0.01	0.48	1.44
30487	D	0	18	-0.16	0.21	1.23
30488	A	1	16	1.08	0.42	1.09
30488	B	0	10	0.64	0.23	1.33
30488	C	0	8	0.21	0.18	0.76
30488	D	0	18	0.15	0.21	0.97
30489	A	1	8	0.72	0.54	1.49
30489	B	0	13	0.14	0.24	1.08
30489	C	0	3	0.24	0.13	0.86

30489	D	0	25	-0.11	0.2	0.93
30490	A	1	20	0.82	0.26	1.21
30490	B	0	10	0	0.21	0.74
30490	C	0	2	0.17	0.06	0.72
30490	D	0	26	0.28	0.16	1.09
30491	A	1	13	0.95	0.11	0.72
30491	B	0	8	0.48	0.35	1.3
30491	C	0	7	0	0.27	0.75
30491	D	0	24	0.16	0.19	1.02
30492	A	1	18	0.76	0.39	1.2
30492	B	0	11	0.03	0.18	0.9
30492	C	0	6	0	0.22	0.79
30492	D	0	19	-0.12	0.38	1.33
30493	A	1	27	0.47	0.31	1.22
30493	B	0	2	0.34	0.35	1.43
30493	C	0	6	0.1	0.24	1.22
30493	D	0	14	-0.37	0.22	0.94
30494	A	1	20	0.6	0.15	0.65
30494	B	0	7	-0.79	0.24	0.58
30494	C	0	2	0.13	0.78	1.59
30494	D	0	15	-0.73	0.2	0.71
30495	A	1	21	0.24	0.28	1.28
30495	B	0	3	0.54	0.41	2.16
30495	C	0	2	-0.58	1.29	1.18
30495	D	0	20	-0.43	0.22	1.23
30496	A	1	34	0.68	0.16	0.93
30496	B	0	0	0	0	0
30496	C	0	6	-0.21	0.37	0.87
30496	D	0	11	-0.28	0.25	0.8
30497	A	1	25	0.79	0.16	0.74
30497	B	0	3	-1.32	0.56	0.27
30497	C	0	0	0	0	0
30497	D	0	11	-0.16	0.29	0.98
30498	A	1	18	0.67	0.19	0.98
30498	B	0	1	-1.39	0	0.18
30498	C	0	3	0.88	0.43	2
30498	D	0	19	-0.03	0.17	0.86
30499	A	1	32	0.49	0.24	1.03
30499	B	0	1	-0.66	0	0.5
30499	C	0	3	-0.11	0.19	0.9
30499	D	0	15	-0.3	0.17	0.9
30500	A	1	34	0.19	0.19	2.19
30500	B	0	4	0.26	0.07	1.21
30500	C	0	2	-0.26	0	0.72
30500	D	0	15	0.04	0.2	1.31
30501	A	1	11	0.93	0.19	0.8
30501	B	0	14	0.03	0.23	0.83
30501	C	0	17	0.51	0.18	1.22
30501	D	0	4	-0.59	0.37	0.39
30502	A	1	26	0.67	0.3	1.06
30502	B	0	4	-0.8	0.19	0.42
30502	C	0	7	0.14	0.82	3.28
30502	D	0	5	-0.58	0.28	0.57
30503	A	1	33	0.37	0.17	1.03

30503	B	0	2	-0.56	0.23	0.6
30503	C	0	2	-0.29	0.07	0.77
30503	D	0	7	-0.35	0.3	0.94
30504	A	1	18	0.63	0.14	0.83
30504	B	0	10	0.29	0.19	1.19
30504	C	0	4	-0.22	0.51	0.85
30504	D	0	11	-0.31	0.29	0.8
30505	A	1	9	1.18	0.32	0.82
30505	B	0	18	-0.09	0.3	1.08
30505	C	0	7	0.12	0.16	0.74
30505	D	0	9	-0.1	0.29	0.74
30506	A	1	13	0.44	0.2	0.94
30506	B	0	3	0.04	1.24	2.97
30506	C	0	15	-0.12	0.16	0.87
30506	D	0	11	0.05	0.14	0.99
30507	A	1	21	0.81	0.38	0.99
30507	B	0	5	-0.04	0.29	1.09
30507	C	0	4	-0.26	0.67	1.55
30507	D	0	11	-0.79	0.39	0.73
30508	A	1	14	1.09	0.47	0.87
30508	B	0	17	0.27	0.21	1.25
30508	C	0	9	-0.03	0.29	0.96
30508	D	0	7	-1.74	0.37	0.18
30509	A	1	21	0.6	0.16	0.58
30509	B	0	10	-0.64	0.21	0.76
30509	C	0	4	-1.2	0.47	0.48
30509	D	0	6	-1.96	0.99	0.47
30510	A	1	15	1.14	0.22	0.72
30510	B	0	7	-0.27	0.33	0.6
30510	C	0	10	0.02	0.26	0.84
30510	D	0	8	-0.07	0.29	0.72
30511	A	1	32	0.14	0.21	1.24
30511	B	0	0	0	0	0
30511	C	0	2	0.63	0.64	2.99
30511	D	0	7	-0.71	0.29	0.84
30512	A	1	34	0.34	0.15	1.04
30512	B	0	1	0.48	0	1.69
30512	C	0	3	-0.2	0.58	1.14
30512	D	0	4	-0.77	0.87	0.96
30513	A	1	39	0.38	0.14	1.02
30513	B	0	1	-1.77	0	0.16
30513	C	0	1	-0.91	0	0.39
30513	D	0	4	0.66	0.36	2.22
30514	A	1	40	0.29	0.14	0.94
30514	B	0	0	0	0	0
30514	C	0	3	-2.07	2.28	1.4
30514	D	0	2	0.46	0.33	1.96
30515	A	1	20	0.58	0.19	0.76
30515	B	0	1	-0.07	0	0.95
30515	C	0	12	-0.35	0.33	1.22
30515	D	0	7	-1.45	0.47	0.4
30516	A	1	32	0.49	0.15	0.83
30516	B	0	3	-0.53	0.19	0.64
30516	C	0	0	0	0	0

30516	D	0	9	-0.85	0.23	0.53
30517	A	1	33	0.72	0.2	0.89
30517	B	0	4	0.02	0.53	1.52
30517	C	0	2	-1.19	0.06	0.28
30517	D	0	5	-0.71	0.44	0.64
30518	A	1	40	0.51	0.14	1
30518	B	0	0	0	0	0
30518	C	0	0	0	0	0
30518	D	0	3	-0.38	0.16	0.59
30519	A	1	35	0.64	0.17	0.85
30519	B	0	5	-0.62	0.28	0.6
30519	C	0	2	-2.23	0.2	0.11
30519	D	0	5	-0.17	0.75	1.56
30520	A	1	34	0.39	0.14	0.92
30520	B	0	3	0.25	0.19	1.34
30520	C	0	2	-0.33	1	1.12
30520	D	0	3	-1.59	0.99	0.39
30521	A	1	18	0.68	0.15	1.04
30521	B	0	23	0.62	0.32	1.8
30521	C	0	1	-0.1	0	0.52
30521	D	0	5	-0.6	0.66	0.56
30522	A	1	7	0.24	0.12	1.15
30522	B	0	10	-0.06	0.34	1.4
30522	C	0	9	0.37	0.21	1.2
30522	D	0	18	0.05	0.23	1.09
30523	A	1	15	0.55	0.22	1.1
30523	B	0	3	-0.27	0.61	0.74
30523	C	0	12	0.32	0.27	1.51
30523	D	0	12	-0.1	0.17	0.76
30524	A	1	6	0.12	0.35	2.51
30524	B	0	7	0.42	0.21	0.82
30524	C	0	37	0.58	0.24	1.87
30524	D	0	9	-0.1	0.2	0.51
30525	A	1	30	0.79	0.27	0.93
30525	B	0	5	-0.13	0.5	1.49
30525	C	0	3	0.22	0.38	1.35
30525	D	0	4	-1.48	0.2	0.23
30526	A	1	26	0.49	0.19	0.94
30526	B	0	2	0.38	0	1.41
30526	C	0	3	0.39	0.4	1.69
30526	D	0	10	-0.83	0.24	0.54
30527	A	1	23	0.92	0.34	1.21
30527	B	0	3	0.12	0.48	1.05
30527	C	0	16	0.04	0.2	1
30527	D	0	2	-1.94	0.04	0.1
30528	A	1	29	0.42	0.19	1.54
30528	B	0	5	-0.17	0.43	1.12
30528	C	0	4	-0.38	0.55	0.97
30528	D	0	6	-0.6	0.57	0.87
30529	A	1	15	0.59	0.26	1.4
30529	B	0	11	0.45	0.35	1.7
30529	C	0	12	-0.01	0.21	0.82
30529	D	0	5	-0.34	0.25	0.54
30530	A	1	13	0.26	0.31	1.68

30530	B	0	13	-0.07	0.22	1.11
30530	C	0	12	-0.14	0.16	0.93
30530	D	0	3	-0.69	0.53	0.57
30532	A	1	2	0.04	1.18	2.53
30532	B	0	4	-0.15	0.23	0.63
30532	C	0	29	0.24	0.15	1.09
30532	D	0	6	0.12	0.22	0.87
30533	A	1	5	2.08	1.21	0.76
30533	B	0	15	0.47	0.22	1.08
30533	C	0	6	-0.1	0.36	0.68
30533	D	0	21	-0.04	0.26	0.76
30535	A	1	13	0.16	0.36	2.07
30535	B	0	14	0.08	0.21	1.15
30535	C	0	7	0.48	0.46	2.11
30535	D	0	9	-0.58	0.43	0.74
30536	A	1	21	0.44	0.15	0.89
30536	B	0	11	-0.04	0.32	1.22
30536	C	0	3	0.11	0.34	1.09
30536	D	0	6	-0.69	0.18	0.48
30537	A	1	5	0.4	0.42	1.61
30537	B	0	26	0.19	0.23	1.44
30537	C	0	4	-0.67	0.28	0.36
30537	D	0	8	0.18	0.22	0.85
30538	A	1	8	0.76	0.38	1.01
30538	B	0	15	0.31	0.24	1.31
30538	C	0	9	0.19	0.31	1.23
30538	D	0	16	-0.86	0.4	0.5
30539	A	1	12	0.46	0.26	1.07
30539	B	0	9	0.2	0.24	1.36
30539	C	0	6	-0.07	0.15	0.86
30539	D	0	14	-0.4	0.2	0.72
30540	A	1	18	0.38	0.18	0.9
30540	B	0	8	-0.26	0.37	1.16
30540	C	0	2	-1.7	1.38	0.39
30540	D	0	14	-0.37	0.2	0.88
30541	A	1	8	0.33	0.3	2.07
30541	B	0	13	0.93	0.33	1.98
30541	C	0	9	0.34	0.32	1
30541	D	0	11	0.22	0.25	0.78
30542	A	1	34	0.31	0.16	1.16
30542	B	0	3	-0.08	0.33	1.06
30542	C	0	2	0.21	0.2	1.3
30542	D	0	4	-0.85	0.27	0.5
30543	A	1	3	-0.43	0.79	5.3
30543	B	0	6	0.37	0.25	0.95
30543	C	0	23	0.35	0.19	1.17
30543	D	0	12	0.16	0.3	1.09
30544	A	1	26	0.4	0.18	0.94
30544	B	0	4	0.05	0.42	1.38
30544	C	0	3	-0.38	0.28	0.75
30544	D	0	9	-0.73	0.25	0.6
30545	A	1	32	0.43	0.16	0.74
30545	B	0	0	0	0	0
30545	C	0	1	-0.74	0	0.63

30545	D	0	7	-1.51	0.27	0.35
30546	A	1	12	0.62	0.61	1.67
30546	B	0	5	0.46	0.4	1.64
30546	C	0	6	0.02	0.24	0.89
30546	D	0	18	-0.01	0.18	0.98
30547	A	1	33	0.59	0.14	0.85
30547	B	0	0	0	0	0
30547	C	0	1	-0.69	0	0.42
30547	D	0	4	-0.73	0.22	0.43
30548	A	1	7	0.69	0.54	1.27
30548	B	0	11	-0.13	0.35	0.92
30548	C	0	13	0.35	0.27	1.53
30548	D	0	18	-0.28	0.2	0.69
30549	A	1	31	0.5	0.29	1.22
30549	B	0	3	0.1	0.25	1.31
30549	C	0	2	-0.73	0.07	0.54
30549	D	0	7	-0.68	0.23	0.67
30550	A	1	22	0.21	0.17	1.23
30550	B	0	4	0.78	0.63	2.91
30550	C	0	3	-0.59	0.4	0.6
30550	D	0	9	-0.49	0.66	1.08
30551	A	1	41	0.23	0.17	0.98
30551	B	0	1	-0.63	0	0.77
30551	C	0	1	0.42	0	2.2
30551	D	0	1	-2.49	0	0.12
30552	A	1	49	0.28	0.12	1
30552	B	0	4	-0.69	0.15	0.54
30552	C	0	5	0.15	0.43	1.75
30552	D	0	2	-0.69	0.5	0.58
30553	A	1	44	0.54	0.2	0.78
30553	B	0	0	0	0	0
30553	C	0	1	-1.76	0	0.21
30553	D	0	3	-1.5	0.86	0.46
30554	A	1	24	0.46	0.17	0.84
30554	B	0	6	0.18	0.31	1.59
30554	C	0	4	0.09	0.65	1.68
30554	D	0	9	-1.07	0.41	0.86
30555	A	1	30	0.45	0.17	1.2
30555	B	0	2	-0.22	0.54	0.75
30555	C	0	11	0.07	0.38	1.83
30555	D	0	1	1.67	0	4.32
30556	A	1	36	0.44	0.18	0.98
30556	B	0	4	-0.87	0.39	0.54
30556	C	0	7	-0.2	0.46	1.86
30556	D	0	2	-0.28	0.29	0.83
30557	A	1	31	0.45	0.15	0.84
30557	B	0	6	-0.32	0.31	0.93
30557	C	0	5	-0.97	0.3	0.47
30557	D	0	1	-1.1	0	0.35
30558	A	1	34	0.46	0.16	0.95
30558	B	0	2	-0.55	0.2	0.56
30558	C	0	1	-0.97	0	0.36
30558	D	0	0	0	0	0
30559	A	1	35	0.73	0.23	0.85

30559	B	0	0	0	0	0
30559	C	0	4	-0.45	0.51	0.82
30559	D	0	5	-0.82	0.4	0.51
30560	A	1	31	-0.02	0.36	2.12
30560	B	0	2	0.47	0.45	3.22
30560	C	0	4	-0.59	0.08	1.03
30560	D	0	2	-2.8	0.37	0.13
30561	A	1	28	0.5	0.2	1.26
30561	B	0	8	0.51	0.26	1.9
30561	C	0	5	-0.78	0.31	0.52
30561	D	0	3	-1.77	0.62	0.24
30562	A	1	29	0.55	0.19	1.07
30562	B	0	3	-0.35	0.25	0.72
30562	C	0	10	-0.51	0.16	0.65
30562	D	0	2	-0.74	0.51	0.51
30563	A	1	36	0.45	0.14	0.85
30563	B	0	10	-0.65	0.31	0.74
30563	C	0	3	0.12	0.38	1.37
30563	D	0	4	-1.18	0.3	0.37
30564	A	1	19	1.11	0.37	0.83
30564	B	0	6	-0.02	0.31	0.91
30564	C	0	9	0.33	0.15	1.07
30564	D	0	10	-1.06	0.67	0.54
30565	A	1	28	0.41	0.17	0.92
30565	B	0	5	-0.1	0.28	1.05
30565	C	0	2	-0.64	0.26	0.54
30565	D	0	8	-0.59	0.49	1.09
30566	A	1	28	0.61	0.19	0.8
30566	B	0	0	0	0	0
30566	C	0	4	0.34	0.52	1.87
30566	D	0	7	-1.29	0.35	0.36
30567	A	1	20	0.71	0.18	0.93
30567	B	0	11	0.27	0.26	1.26
30567	C	0	13	-0.06	0.28	0.98
30567	D	0	12	-0.3	0.25	0.76
30568	A	1	29	0.36	0.16	1.05
30568	B	0	5	-0.75	0.36	0.59
30568	C	0	2	1.23	0.18	3.28
30568	D	0	7	-0.13	0.38	1.23
30569	A	1	25	0.63	0.2	0.92
30569	B	0	7	0.16	0.37	1.51
30569	C	0	6	-0.58	0.29	0.65
30569	D	0	12	-0.64	0.19	0.57
30570	A	1	31	0.78	0.14	0.8
30570	B	0	0	0	0	0
30570	C	0	6	-0.3	0.25	0.63
30570	D	0	14	-0.27	0.2	0.81
30571	A	1	23	0.87	0.19	0.88
30571	B	0	0	0	0	0
30571	C	0	7	0.46	0.38	1.75
30571	D	0	9	-0.31	0.3	0.7
30572	A	1	24	0.88	0.15	0.56
30572	B	0	3	-0.24	0.2	0.78
30572	C	0	4	-1.11	0.36	0.36



30572	D	0	11	-1.01	0.27	0.48
30573	A	1	17	0.67	0.24	1
30573	B	0	3	-0.85	0.36	0.38
30573	C	0	12	0.22	0.23	1.33
30573	D	0	10	-0.54	0.35	0.66
30574	A	1	12	0.74	0.39	1
30574	B	0	7	0.27	0.25	1.31
30574	C	0	17	-0.27	0.18	0.88
30574	D	0	6	-0.92	0.26	0.41
30575	A	1	19	0.82	0.24	1.16
30575	B	0	16	0.07	0.19	0.81
30575	C	0	3	0.6	0.4	1.26
30575	D	0	5	0.37	0.29	1.01
30576	A	1	17	0.7	0.21	0.78
30576	B	0	3	-0.81	1.06	0.98
30576	C	0	9	-0.55	0.28	0.72
30576	D	0	13	-0.45	0.25	0.84
30579	A	1	30	0.3	0.18	0.89
30579	B	0	3	-1.02	0.12	0.45
30579	C	0	1	-0.26	0	0.95
30579	D	0	7	-0.78	0.38	0.78
30580	A	1	41	0.57	0.21	0.92
30580	B	0	4	-0.57	0.22	0.61
30580	C	0	1	0.93	0	2.6
30580	D	0	5	-1.07	0.33	0.42
30583	A	1	32	0.34	0.16	0.79
30583	B	0	3	-1.16	0.56	0.53
30583	C	0	1	1.1	0	3.73
30583	D	0	6	-1.1	0.53	0.73
30584	A	1	25	0.6	0.19	0.65
30584	B	0	3	-1.14	0.47	0.48
30584	C	0	3	-0.39	0.16	0.84
30584	D	0	8	-1.95	0.78	0.53
30585	A	1	31	0.48	0.18	1.09
30585	B	0	3	-0.25	0.62	0.98
30585	C	0	1	0.29	0	1.25
30585	D	0	6	0.37	1.16	4.19
30586	A	1	15	1.21	0.45	1.07
30586	B	0	1	-0.28	0	0.38
30586	C	0	26	0.56	0.19	1.27
30586	D	0	9	-1.88	0.96	0.58
30587	A	1	29	0.26	0.19	1.13
30587	B	0	6	-0.3	0.48	1.41
30587	C	0	0	0	0	0
30587	D	0	6	-1.06	0.29	0.52
30588	A	1	40	0.21	0.15	1.1
30588	B	0	2	-0.28	0.61	1.05
30588	C	0	1	-0.1	0	1.06
30588	D	0	5	-0.66	0.21	0.66
30589	A	1	37	0.54	0.13	0.89
30589	B	0	2	-0.47	0.16	0.53
30589	C	0	1	0.69	0	1.69
30589	D	0	3	-0.95	0.31	0.36
30590	A	1	43	0.37	0.14	1.12

30590	B	0	2	-0.46	0.04	0.62
30590	C	0	0	0	0	0
30590	D	0	2	0.53	0.44	1.82
30591	A	1	37	0.37	0.16	1.07
30591	B	0	0	0	0	0
30591	C	0	0	0	0	0
30591	D	0	3	-0.56	0.42	0.75
30592	A	1	33	0.3	0.19	0.98
30592	B	0	4	-0.85	0.53	0.86
30592	C	0	1	-0.52	0	0.76
30592	D	0	4	-0.84	0.42	0.7
30593	A	1	35	0.44	0.22	0.93
30593	B	0	10	-0.19	0.25	1.2
30593	C	0	0	0	0	0
30593	D	0	4	-1.33	0.61	0.47
30594	A	1	36	0.44	0.12	0.88
30594	B	0	0	0	0	0
30594	C	0	0	0	0	0
30594	D	0	3	-0.99	0.41	0.41
30595	A	1	38	0.27	0.16	0.66
30595	B	0	1	-2.28	0	0.17
30595	C	0	1	0.11	0	1.9
30595	D	0	3	-3	1.51	0.45
30596	A	1	43	0.29	0.14	0.98
30596	B	0	0	0	0	0
30596	C	0	1	-0.71	0	0.56
30596	D	0	2	-0.98	0.45	0.47
30597	A	1	37	0.12	0.24	0.87
30597	B	0	0	0	0	0
30597	C	0	2	-1.25	1.02	0.78
30597	D	0	3	-1.61	0.44	0.41
30598	A	1	37	0.34	0.17	1.07
30598	B	0	1	0.18	0	1.27
30598	C	0	4	0	0.62	1.78
30598	D	0	0	0	0	0
30599	A	1	28	0.53	0.18	1.06
30599	B	0	2	0.13	1.3	2.06
30599	C	0	7	-0.58	0.7	1
30599	D	0	4	-0.98	0.51	0.51
30600	A	1	34	0.41	0.16	0.96
30600	B	0	4	-0.62	0.49	0.73
30600	C	0	4	-0.63	0.45	0.66
30600	D	0	4	0.05	0.5	1.48
30601	A	1	37	0.47	0.12	0.75
30601	B	0	1	-1.36	0	0.28
30601	C	0	6	-0.83	0.13	0.49
30601	D	0	1	-3.21	0	0.05
30602	A	1	1503	0.57	0.03	0.96
30602	B	0	277	-0.2	0.05	1.01
30602	C	0	463	-0.14	0.04	1.11
30602	D	0	283	-0.97	0.08	0.54
30603	A	1	38	0.44	0.13	0.86
30603	B	0	1	-1.18	0	0.32
30603	C	0	1	-1.25	0	0.3

30603	D	0	3	-0.86	0.52	0.55
30604	A	1	37	0.4	0.24	1.02
30604	B	0	3	0.39	0.47	2.12
30604	C	0	1	-0.18	0	0.98
30604	D	0	3	-1.2	0.48	0.45
30605	A	1	24	0.78	0.33	1.01
30605	B	0	7	-0.06	0.37	1.1
30605	C	0	10	-0.23	0.22	0.91
30605	D	0	4	-2.45	1.41	0.34
30606	A	1	29	0.72	0.25	0.86
30606	B	0	1	-0.05	0	0.86
30606	C	0	5	-0.27	0.43	0.9
30606	D	0	7	-1.16	0.91	0.69
30607	A	1	23	0.63	0.2	0.93
30607	B	0	4	-0.8	0.49	0.55
30607	C	0	12	-0.1	0.24	1.05
30607	D	0	6	-0.62	0.31	0.58
30608	A	1	22	0.99	0.23	0.93
30608	B	0	8	-0.44	0.28	0.68
30608	C	0	11	-0.32	0.31	0.85
30608	D	0	3	-2.74	1.41	0.15
30609	A	1	27	0.67	0.14	0.77
30609	B	0	1	-0.04	0	0.78
30609	C	0	4	-0.34	0.42	0.72
30609	D	0	7	-0.59	0.33	0.61
30610	A	1	36	0.45	0.17	0.99
30610	B	0	2	-0.8	0.37	0.52
30610	C	0	2	-1.01	0.37	0.42
30610	D	0	4	-0.7	0.27	0.6
30611	A	1	18	0.97	0.24	1.12
30611	B	0	10	0.34	0.36	1.62
30611	C	0	9	-0.14	0.43	0.87
30611	D	0	5	-2.55	1.48	0.51
30612	A	1	34	0.3	0.14	0.88
30612	B	0	3	-1.05	0.33	0.42
30612	C	0	3	0.64	0.75	3.03
30612	D	0	3	-1	0.11	0.4
30613	A	1	38	0.5	0.2	0.97
30613	B	0	2	0.67	0.13	1.84
30613	C	0	3	-0.93	0.11	0.37
30613	D	0	4	-1.05	0.68	0.52
30614	A	1	1275	0.61	0.03	1.15
30614	B	0	358	0.03	0.04	1.2
30614	C	0	353	-0.09	0.04	1.06
30614	D	0	532	-0.56	0.05	0.75
30615	A	1	25	0.59	0.24	1
30615	B	0	9	-0.94	0.52	0.69
30615	C	0	0	0	0	0
30615	D	0	10	-0.74	0.72	1.36
30616	A	1	35	0.75	0.15	0.9
30616	B	0	2	-0.48	0.21	0.48
30616	C	0	7	-0.35	0.33	0.71
30616	D	0	14	-0.17	0.25	0.86
30617	A	1	39	0.5	0.16	0.78

30617	B	0	0	0	0	0
30617	C	0	1	-1.06	0	0.41
30617	D	0	1	-2.79	0	0.07
30618	A	1	33	0.46	0.15	0.96
30618	B	0	3	-0.43	0.57	0.84
30618	C	0	0	0	0	0
30618	D	0	7	-0.57	0.4	0.8
30619	A	1	22	0.51	0.19	0.96
30619	B	0	6	-0.69	0.86	1.24
30619	C	0	4	-1.89	1.63	0.67
30619	D	0	10	-0.34	0.27	0.88
30620	A	1	26	0.51	0.11	0.75
30620	B	0	0	0	0	0
30620	C	0	12	-0.16	0.25	1.09
30620	D	0	6	-1.88	1.06	0.59
30621	A	1	39	0.88	0.2	0.87
30621	B	0	1	-1.66	0	0.14
30621	C	0	3	-0.41	0.14	0.51
30621	D	0	0	0	0	0
30622	A	1	32	0.35	0.14	1.01
30622	B	0	1	-0.65	0	0.51
30622	C	0	7	-0.13	0.29	1.03
30622	D	0	3	-0.78	0.14	0.46
30623	A	1	49	0.33	0.13	0.88
30623	B	0	2	-1.28	0.68	0.41
30623	C	0	4	-1.14	0.56	0.61
30623	D	0	3	-0.44	0.38	0.89
30624	A	1	28	0.45	0.14	1.05
30624	B	0	13	0.44	0.24	1.69
30624	C	0	11	0.2	0.33	1.65
30624	D	0	8	-1.07	0.4	0.49
30625	A	1	17	0.42	0.36	1.23
30625	B	0	7	-0.01	0.27	1.02
30625	C	0	15	0.04	0.22	1.16
30625	D	0	7	-2.1	0.84	0.32
30626	A	1	29	0.26	0.14	1.07
30626	B	0	22	-0.13	0.12	0.95
30626	C	0	2	0.98	0.65	2.96
30626	D	0	0	0	0	0
30627	A	1	27	0.45	0.17	0.9
30627	B	0	12	-0.21	0.22	1.05
30627	C	0	0	0	0	0
30627	D	0	4	-1.2	0.45	0.41
30628	A	1	28	0.89	0.26	0.66
30628	B	0	8	-0.12	0.43	1.35
30628	C	0	2	-0.53	0.4	0.58
30628	D	0	5	-2.57	1.02	0.2
30629	A	1	28	0.38	0.18	1.04
30629	B	0	5	-0.06	0.64	1.71
30629	C	0	8	-0.23	0.24	0.96
30629	D	0	4	-0.81	0.81	0.78
30630	A	1	26	0.78	0.16	0.9
30630	B	0	11	0.13	0.17	0.93
30630	C	0	5	-0.43	0.48	0.7

30630	D	0	5	-0.49	0.3	0.51
30631	A	1	20	1.19	0.43	0.76
30631	B	0	12	-0.57	0.34	0.76
30631	C	0	0	0	0	0
30631	D	0	9	-1.42	0.72	0.5
30632	A	1	13	1.11	0.24	0.7
30632	B	0	9	-0.05	0.24	0.76
30632	C	0	6	0.01	0.47	1.04
30632	D	0	11	-0.35	0.24	0.62
30633	A	1	18	0.49	0.21	1.04
30633	B	0	10	-0.84	0.52	0.78
30633	C	0	3	0.33	0.36	1.43
30633	D	0	13	-0.9	0.64	0.9
30634	A	1	15	0.95	0.14	0.64
30634	B	0	14	-0.47	0.39	0.75
30634	C	0	5	0.31	0.32	1.21
30634	D	0	8	-0.3	0.33	0.72
30635	A	1	32	0.71	0.11	0.84
30635	B	0	2	-0.56	0.44	0.45
30635	C	0	8	-0.26	0.31	0.72
30635	D	0	0	0	0	0
30636	A	1	26	0.65	0.27	1.12
30636	B	0	3	-0.69	0.28	0.5
30636	C	0	14	-0.23	0.21	0.94
30636	D	0	1	-3.14	0	0.04
30637	A	1	22	0.68	0.22	0.86
30637	B	0	12	-0.39	0.43	1.09
30637	C	0	2	0.33	0.51	1.44
30637	D	0	8	-1.79	0.77	0.45
30638	A	1	24	0.66	0.24	1.02
30638	B	0	6	-0.23	0.47	1.07
30638	C	0	10	-0.49	0.22	0.72
30638	D	0	3	-0.51	0.27	0.59
30639	A	1	30	0.67	0.28	1.02
30639	B	0	2	-0.29	0.66	0.8
30639	C	0	10	0.05	0.22	1.16
30639	D	0	2	-0.83	0.04	0.39
30640	A	1	23	0.7	0.23	1.05
30640	B	0	8	-0.56	0.4	0.91
30640	C	0	8	-0.33	0.28	0.87
30640	D	0	2	-0.64	0.06	0.47
30641	A	1	41	0.56	0.14	0.89
30641	B	0	10	-0.35	0.12	0.69
30641	C	0	1	-0.54	0	0.54
30641	D	0	4	-0.91	0.28	0.42
30642	A	1	28	0.35	0.16	1.01
30642	B	0	10	-0.46	0.26	0.86
30642	C	0	5	0.09	0.17	1.14
30642	D	0	1	-0.63	0	0.52
30643	A	1	18	0.89	0.19	0.71
30643	B	0	20	-0.12	0.15	0.82
30643	C	0	1	-2.29	0	0.08
30643	D	0	3	-0.19	0.14	0.63
30644	A	1	21	0.89	0.18	0.76

30644	B	0	8	-0.14	0.15	0.72
30644	C	0	8	-0.11	0.24	0.85
30644	D	0	8	-1.37	0.81	0.56
30645	A	1	13	0.46	0.28	1.14
30645	B	0	9	0.18	0.25	1.25
30645	C	0	16	-0.25	0.21	0.9
30645	D	0	8	-0.34	0.32	0.92
30646	A	1	24	0.49	0.21	1.1
30646	B	0	3	-0.02	0.71	1.51
30646	C	0	15	-0.33	0.2	0.85
30646	D	0	3	-0.47	0.4	0.66
30647	A	1	10	0.41	0.21	1.24
30647	B	0	7	0.55	0.28	1.44
30647	C	0	14	0.46	0.26	1.49
30647	D	0	15	-0.26	0.24	0.71
30648	A	1	7	-0.15	0.24	1.96
30648	B	0	16	0.53	0.24	1.74
30648	C	0	12	-0.09	0.29	1.03
30648	D	0	14	-0.66	0.52	0.88
30649	A	1	24	0.85	0.21	1.05
30649	B	0	10	0.12	0.24	1.05
30649	C	0	10	-0.52	0.33	0.65
30649	D	0	2	-1.82	1.23	0.22
30650	A	1	23	0.66	0.15	0.7
30650	B	0	5	-0.24	0.46	1.01
30650	C	0	3	0.29	0.38	1.4
30650	D	0	13	-0.92	0.35	0.62
30651	A	1	24	0.56	0.14	0.89
30651	B	0	6	0.23	0.36	1.41
30651	C	0	6	-0.34	0.35	0.69
30651	D	0	4	-0.06	0.7	1.76
30652	A	1	23	0.6	0.2	1.01
30652	B	0	7	-0.13	0.31	0.9
30652	C	0	8	-0.07	0.21	0.87
30652	D	0	3	-0.13	0.36	0.78
30653	A	1	18	0.7	0.17	0.89
30653	B	0	17	0.29	0.21	1.25
30653	C	0	6	-0.09	0.12	0.65
30653	D	0	4	-0.54	0.47	0.56
30654	A	1	27	0.5	0.2	1.6
30654	B	0	3	-0.54	0.42	0.61
30654	C	0	8	-0.03	0.24	1.05
30654	D	0	4	-0.61	0.26	0.51
30655	A	1	31	0.61	0.16	0.94
30655	B	0	10	-0.26	0.22	0.84
30655	C	0	3	-0.2	0.73	1.24
30655	D	0	5	-0.96	0.48	0.5
30656	A	1	25	0.5	0.12	0.81
30656	B	0	6	-0.04	0.31	1.19
30656	C	0	4	-0.34	0.35	0.77
30656	D	0	6	-0.72	0.55	0.79
30657	A	1	17	0.65	0.22	1.01
30657	B	0	9	-0.23	0.26	0.87
30657	C	0	5	-0.09	0.13	0.79

30657	D	0	12	-0.29	0.19	0.76
30658	A	1	26	0.47	0.2	1.45
30658	B	0	5	0.53	0.49	2.42
30658	C	0	2	-0.55	0.7	0.6
30658	D	0	8	-0.25	0.26	0.8
30659	A	1	18	0.92	0.24	0.83
30659	B	0	9	0.03	0.25	0.95
30659	C	0	8	-0.05	0.34	0.88
30659	D	0	7	-0.54	0.29	0.54
30660	A	1	23	0.36	0.19	0.93
30660	B	0	6	-0.68	0.48	0.86
30660	C	0	4	0.01	0.1	1.08
30660	D	0	11	-0.53	0.2	0.75
30661	A	1	25	0.42	0.18	0.93
30661	B	0	3	-0.57	0.24	0.61
30661	C	0	6	-0.55	0.4	0.81
30661	D	0	6	-0.46	0.52	1.06
30662	A	1	19	-0.12	0.41	4.03
30662	B	0	4	-0.18	0.21	0.85
30662	C	0	14	0.23	0.18	1.46
30662	D	0	3	-1.05	0.56	0.45
30663	A	1	17	1.3	0.21	0.59
30663	B	0	2	-0.02	0.76	0.81
30663	C	0	16	0.12	0.15	0.84
30663	D	0	9	-1.04	0.28	0.31
30664	A	1	9	0.74	0.34	1.3
30664	B	0	14	0.4	0.27	1.43
30664	C	0	11	0.16	0.28	0.93
30664	D	0	7	-0.2	0.26	0.59
30665	A	1	7	-0.27	0.37	3.37
30665	B	0	27	0.18	0.15	1.03
30665	C	0	4	0.8	0.28	1.58
30665	D	0	9	0.35	0.42	1.83
30666	A	1	22	0.5	0.22	1
30666	B	0	6	-0.8	0.49	0.65
30666	C	0	6	-0.31	0.2	0.81
30666	D	0	3	-0.37	0.4	0.79
30667	A	1	32	0.81	0.24	0.78
30667	B	0	4	-0.1	0.39	0.96
30667	C	0	1	0.72	0	1.82
30667	D	0	8	-1.1	0.41	0.47
30668	A	1	23	0.38	0.18	0.9
30668	B	0	9	-0.13	0.21	1.1
30668	C	0	5	-0.49	0.31	0.77
30668	D	0	9	-1.29	0.65	0.54
30669	A	1	23	0.34	0.17	0.85
30669	B	0	6	-0.75	0.39	0.84
30669	C	0	4	-0.11	0.35	1.3
30669	D	0	6	-1.38	0.46	0.51
30670	A	1	20	1.01	0.25	1.49
30670	B	0	12	-0.33	0.5	0.81
30670	C	0	5	0.25	0.25	0.94
30670	D	0	6	-0.84	0.37	0.37
30671	A	1	8	0.78	0.41	1.26

30671	B	0	9	0.3	0.28	1.12
30671	C	0	5	-0.11	0.29	0.65
30671	D	0	22	0.16	0.16	0.98
30672	A	1	24	0.92	0.3	0.74
30672	B	0	3	-0.58	0.39	0.55
30672	C	0	4	0.22	0.27	1.2
30672	D	0	13	-0.65	0.24	0.65
30673	A	1	31	0.52	0.15	0.82
30673	B	0	3	-1.32	0.56	0.33
30673	C	0	5	-0.52	0.23	0.64
30673	D	0	7	-0.21	0.21	0.92
30674	A	1	30	0.37	0.13	0.75
30674	B	0	4	-0.43	0.5	1.22
30674	C	0	1	-0.75	0	0.55
30674	D	0	8	-1.18	0.44	0.63
30675	A	1	26	0.63	0.22	1.86
30675	B	0	2	-0.37	0.73	0.71
30675	C	0	1	-0.33	0	0.58
30675	D	0	16	-0.24	0.2	0.84
30676	A	1	30	0.47	0.27	0.92
30676	B	0	4	-0.36	0.64	1.7
30676	C	0	2	-0.26	0.22	0.94
30676	D	0	6	-0.99	0.21	0.49
30677	A	1	9	-0.04	0.22	1.82
30677	B	0	2	1.07	0.58	2.4
30677	C	0	10	0.18	0.3	1.26
30677	D	0	21	0.19	0.18	1.27
30678	A	1	11	1.19	0.61	1.01
30678	B	0	5	0.62	0.17	1.29
30678	C	0	12	0.02	0.22	0.89
30678	D	0	13	-0.59	0.51	0.92
30679	A	1	5	1.09	0.23	0.97
30679	B	0	13	0.5	0.37	1.24
30679	C	0	6	0.72	0.72	2.06
30679	D	0	19	0.11	0.25	0.8
30680	A	1	9	0.51	0.23	1.17
30680	B	0	7	0.63	0.23	1.42
30680	C	0	9	0.1	0.28	0.92
30680	D	0	17	-0.02	0.32	1.11
30681	A	1	5	0.63	0.42	1.16
30681	B	0	5	0.51	0.39	1.62
30681	C	0	31	0.21	0.13	1.04
30681	D	0	9	-0.45	0.3	0.65
30682	A	1	10	0.27	0.4	2.15
30682	B	0	11	0.24	0.22	0.98
30682	C	0	14	0.51	0.29	1.79
30682	D	0	5	-0.68	0.34	0.4
30683	A	1	11	0.73	0.29	0.95
30683	B	0	10	0.02	0.26	1.19
30683	C	0	5	-0.09	0.42	0.93
30683	D	0	14	-0.39	0.27	0.86
30684	A	1	12	0.5	0.29	1.4
30684	B	0	11	0.15	0.45	2.39
30684	C	0	5	0.59	0.45	1.81



30684	D	0	12	-0.13	0.27	0.84
30685	A	1	14	0.67	0.3	1.24
30685	B	0	7	0.47	0.25	1.31
30685	C	0	22	-0.01	0.2	1.01
30685	D	0	7	-1.25	0.97	0.63
30686	A	1	18	0.19	0.2	1.21
30686	B	0	1	-0.8	0	0.42
30686	C	0	12	-0.02	0.24	1.26
30686	D	0	10	-0.08	0.2	1.08
30687	A	1	6	0.43	0.21	1.18
30687	B	0	20	0.51	0.22	1.44
30687	C	0	4	0.44	0.54	1.42
30687	D	0	12	-0.49	0.17	0.44
30688	A	1	13	0.95	0.25	0.87
30688	B	0	12	-0.12	0.18	0.67
30688	C	0	14	0.35	0.24	1.36
30688	D	0	20	0.1	0.16	0.85
30689	A	1	7	0.7	0.17	0.83
30689	B	0	11	-0.12	0.35	0.85
30689	C	0	18	0.44	0.18	1.34
30689	D	0	11	-0.39	0.34	0.74
30690	A	1	6	0.26	0.27	1.43
30690	B	0	20	0.04	0.2	0.98
30690	C	0	6	-0.15	0.59	1.11
30690	D	0	10	0.45	0.36	1.78
30691	A	1	10	0.69	0.38	1.28
30691	B	0	13	0.56	0.2	1.46
30691	C	0	6	-0.31	0.35	0.62
30691	D	0	17	-0.02	0.15	0.78
30692	A	1	4	0.71	0.38	1.01
30692	B	0	12	0.31	0.32	1.45
30692	C	0	11	0.21	0.26	0.98
30692	D	0	15	-0.06	0.23	0.8
30693	A	1	8	0.82	0.39	1
30693	B	0	4	-0.07	0.15	0.75
30693	C	0	9	-0.03	0.18	0.84
30693	D	0	22	-0.21	0.18	0.9
30694	A	1	9	1.17	0.27	0.73
30694	B	0	14	0.43	0.2	1.02
30694	C	0	3	0.34	0.43	0.89
30694	D	0	14	-0.07	0.25	0.76
30695	A	1	4	0.45	0.74	2.44
30695	B	0	6	-0.02	0.5	0.89
30695	C	0	11	0.43	0.22	0.97
30695	D	0	21	0.15	0.28	1.36
30696	A	1	5	0.71	0.25	1.01
30696	B	0	9	0.2	0.4	1.25
30696	C	0	11	0.81	0.24	1.76
30696	D	0	24	-0.1	0.21	0.75
30697	A	1	12	1.03	0.27	0.8
30697	B	0	5	-0.15	0.28	0.71
30697	C	0	5	0.09	0.49	1.27
30697	D	0	26	-0.16	0.15	0.8
30698	A	1	17	-0.1	0.46	4.23

30698	B	0	5	-0.37	0.38	1.01
30698	C	0	9	-0.58	0.44	1.16
30698	D	0	12	-0.33	0.28	1.12
30699	A	1	14	1.08	0.27	0.83
30699	B	0	12	0.01	0.29	1.01
30699	C	0	2	-0.52	0.65	0.45
30699	D	0	13	-0.38	0.56	0.95
30700	A	1	14	0.91	0.29	1.08
30700	B	0	3	-0.36	0.88	1.01
30700	C	0	13	-0.1	0.28	0.86
30700	D	0	13	-0.16	0.24	0.8
30701	A	1	44	-0.01	0.13	0.95
30701	B	0	2	-0.47	0.48	1.06
30701	C	0	2	-0.07	0.27	1.48
30701	D	0	1	-3.05	0	0.07
30702	A	1	32	0.29	0.28	1.6
30702	B	0	3	-0.75	0.2	0.59
30702	C	0	8	-0.17	0.18	1.13
30702	D	0	0	0	0	0
30704	A	1	32	0.59	0.17	1.09
30704	B	0	3	-0.28	0.45	0.75
30704	C	0	2	-1.09	0.39	0.29
30704	D	0	7	0.32	0.24	1.32
30705	A	1	47	0.11	0.13	0.99
30705	B	0	0	0	0	0
30705	C	0	4	-1.05	0.42	0.62
30705	D	0	1	0.41	0	2.03
30706	A	1	47	0.25	0.13	0.96
30706	B	0	2	-0.11	0.28	1.13
30706	C	0	2	-1.61	0.13	0.24
30706	D	0	0	0	0	0
30707	A	1	33	0.18	0.13	1.09
30707	B	0	3	-0.85	0.29	0.48
30707	C	0	13	0.08	0.21	1.43
30707	D	0	2	-0.81	0.46	0.5
30708	A	1	40	0.11	0.14	1.04
30708	B	0	7	-0.81	0.37	0.86
30708	C	0	2	-0.81	0.15	0.6
30708	D	0	2	-0.41	0.34	0.93
30709	A	1	34	0.28	0.24	0.79
30709	B	0	3	-1.08	0.28	0.61
30709	C	0	1	-2.13	0	0.2
30709	D	0	2	-2.03	1.7	0.61
30710	A	1	46	0.53	0.12	0.91
30710	B	0	1	-1.12	0	0.3
30710	C	0	5	0.32	0.46	1.81
30710	D	0	4	-1.22	0.66	0.41
30711	A	1	46	0.12	0.12	0.92
30711	B	0	2	-0.56	0.14	0.76
30711	C	0	3	-0.14	0.05	1.15
30711	D	0	1	-3.73	0	0.04
30712	A	1	40	0.24	0.16	0.85
30712	B	0	0	0	0	0
30712	C	0	0	0	0	0

30712	D	0	3	-0.98	1.37	2.01
30713	A	1	35	0.65	0.24	0.88
30713	B	0	1	1.3	0	3.65
30713	C	0	1	0.6	0	1.82
30713	D	0	5	-1.12	0.53	0.54
30714	A	1	36	0.51	0.16	0.91
30714	B	0	3	0.1	0.17	1.12
30714	C	0	0	0	0	0
30714	D	0	4	-1.92	1.59	0.54
30715	A	1	37	0.24	0.15	0.97
30715	B	0	1	-0.06	0	1.05
30715	C	0	1	-1.53	0	0.24
30715	D	0	2	-0.19	0.59	1.08
30716	A	1	36	0.92	0.31	0.83
30716	B	0	1	0.19	0	1.29
30716	C	0	0	0	0	0
30716	D	0	7	-1.17	0.27	0.41
30717	A	1	39	0.23	0.12	0.87
30717	B	0	0	0	0	0
30717	C	0	0	0	0	0
30717	D	0	3	-1.41	0.46	0.36
30718	A	1	41	0.37	0.15	0.92
30718	B	0	1	-0.7	0	0.54
30718	C	0	2	-0.99	0	0.41
30718	D	0	5	-0.68	0.35	0.7
30719	A	1	28	0.44	0.16	0.84
30719	B	0	7	-0.38	0.34	0.98
30719	C	0	0	0	0	0
30719	D	0	6	-1.27	0.89	0.75
30720	A	1	32	0.23	0.17	1.16
30720	B	0	3	-0.18	0.36	1.06
30720	C	0	2	-0.34	0.76	1.05
30720	D	0	5	-0.36	0.32	0.94
30721	A	1	41	0.17	0.25	1.74
30721	B	0	4	0.03	0.2	1.49
30721	C	0	3	-0.31	0.16	1.02
30721	D	0	4	-2.46	1.55	0.55
30722	A	1	40	0.25	0.14	1.07
30722	B	0	0	0	0	0
30722	C	0	1	0.49	0	1.74
30722	D	0	3	-0.24	0.35	0.95
30723	A	1	40	0.35	0.16	0.92
30723	B	0	1	-1.26	0	0.34
30723	C	0	3	0.11	0.23	1.41
30723	D	0	4	-1.42	0.84	0.6
30724	A	1	29	0.52	0.37	1.04
30724	B	0	2	0.44	0.59	2.44
30724	C	0	3	-0.19	0.53	1.43
30724	D	0	9	-1.14	0.33	0.61
30725	A	1	34	0.18	0.15	0.77
30725	B	0	1	-0.49	0	0.95
30725	C	0	1	-0.15	0	1.34
30725	D	0	3	-3.37	1.66	0.22
30726	A	1	26	0.17	0.18	1.31

30726	B	0	11	0.49	0.25	2.16
30726	C	0	2	-0.32	0.01	0.72
30726	D	0	11	-0.83	0.36	0.73
30727	A	1	32	0.31	0.24	0.96
30727	B	0	6	0.02	0.29	1.32
30727	C	0	0	0	0	0
30727	D	0	5	-0.58	0.4	0.78
30728	A	1	51	0.19	0.11	0.94
30728	B	0	1	-0.95	0	0.45
30728	C	0	0	0	0	0
30728	D	0	4	-0.77	0.4	0.71
30729	A	1	36	0.64	0.24	0.8
30729	B	0	0	0	0	0
30729	C	0	1	-0.34	0	0.92
30729	D	0	3	-2.57	1.9	0.49
30730	A	1	42	0.55	0.2	1.06
30730	B	0	2	0.9	0.78	2.75
30730	C	0	0	0	0	0
30730	D	0	3	-0.07	0.41	0.91
30731	A	1	33	0.26	0.25	1.22
30731	B	0	4	-0.11	0.42	1.19
30731	C	0	4	0.01	0.16	1.13
30731	D	0	3	0.06	0.14	1.16
30732	A	1	35	0.38	0.14	0.97
30732	B	0	2	-0.44	1.11	1.08
30732	C	0	1	-0.59	0	0.55
30732	D	0	1	-0.58	0	0.56
30733	A	1	17	0.65	0.18	0.7
30733	B	0	24	-0.34	0.16	0.86
30733	C	0	1	-0.29	0	0.7
30733	D	0	3	-1.26	0.57	0.36
30734	A	1	34	0.18	0.18	1.64
30734	B	0	1	-0.32	0	0.89
30734	C	0	6	-0.27	0.16	0.99
30734	D	0	4	-1.07	0.84	1.39
30735	A	1	25	0.53	0.18	1.19
30735	B	0	8	0.23	0.31	1.26
30735	C	0	7	0.04	0.23	0.85
30735	D	0	12	0.22	0.22	1.1
30736	A	1	17	0.41	0.19	1.01
30736	B	0	6	-0.69	0.3	0.55
30736	C	0	6	0.1	0.35	1.34
30736	D	0	15	-0.21	0.28	1.1
30737	A	1	16	0.48	0.24	1.26
30737	B	0	7	0.86	0.34	2.59
30737	C	0	4	-0.23	0.23	0.69
30737	D	0	13	-0.61	0.23	0.55
30738	A	1	29	0.43	0.23	0.76
30738	B	0	1	-1.47	0	0.38
30738	C	0	6	-0.94	0.2	0.6
30738	D	0	14	-1.11	0.25	0.68
30739	A	1	41	0.3	0.2	0.84
30739	B	0	0	0	0	0
30739	C	0	0	0	0	0

30739	D	0	1	-3.16	0	0.07
30740	A	1	51	0.19	0.12	0.94
30740	B	0	0	0	0	0
30740	C	0	0	0	0	0
30740	D	0	3	-1.07	0.51	0.54
30741	A	1	38	0.42	0.23	1.64
30741	B	0	1	-0.46	0	0.66
30741	C	0	2	0.97	0.93	4
30741	D	0	1	0.09	0	1.15
30742	A	1	40	0.43	0.15	0.96
30742	B	0	1	0.16	0	1.22
30742	C	0	2	-0.13	0.17	0.93
30742	D	0	4	-1.07	0.73	0.6
30743	A	1	41	0.15	0.17	1.24
30743	B	0	4	0.73	0.21	2.59
30743	C	0	0	0	0	0
30743	D	0	3	-0.25	0.33	1.01
30744	A	1	37	0.2	0.13	0.88
30744	B	0	1	-0.57	0	0.71
30744	C	0	0	0	0	0
30744	D	0	6	-0.74	0.63	1.76
30745	A	1	34	0.61	0.24	0.95
30745	B	0	2	-1.07	0.41	0.39
30745	C	0	4	-0.32	0.54	1.02
30745	D	0	2	-1.01	0.75	0.49
30746	A	1	35	0.31	0.14	0.78
30746	B	0	2	-0.25	0.51	1.12
30746	C	0	2	-1.87	1.29	0.38
30746	D	0	5	-1.1	0.5	0.75
30747	A	1	30	0.62	0.14	0.99
30747	B	0	9	0.22	0.35	1.65
30747	C	0	5	0.53	0.45	1.6
30747	D	0	10	-0.36	0.17	0.59
30748	A	1	38	0.45	0.13	1.01
30748	B	0	7	0.48	0.32	1.98
30748	C	0	2	-0.26	0.18	0.68
30748	D	0	1	-6.97	0	0.01
30749	A	1	41	0.32	0.15	1.16
30749	B	0	8	0.03	0.39	1.93
30749	C	0	2	0.47	0.79	2.03
30749	D	0	3	-0.02	0.57	1.31
30750	A	1	39	0.52	0.14	0.86
30750	B	0	2	0.38	0.22	1.46
30750	C	0	1	-0.04	0	0.94
30750	D	0	1	-3.45	0	0.03
30751	A	1	10	1.19	0.34	0.99
30751	B	0	26	0.2	0.18	0.84
30751	C	0	6	-0.12	0.53	0.73
30751	D	0	2	1.55	0.28	2.4
30752	A	1	32	0.04	0.15	0.84
30752	B	0	3	-1.22	0.16	0.46
30752	C	0	2	-1.14	1.01	0.77
30752	D	0	2	-1.01	1.21	1.02
30753	A	1	36	0.47	0.16	0.89

30753	B	0	0	0	0	0
30753	C	0	2	0.33	0.4	1.59
30753	D	0	8	-0.96	0.21	0.47
30754	A	1	25	0.61	0.22	1.23
30754	B	0	2	0.06	0.85	1.3
30754	C	0	9	-0.07	0.26	1.19
30754	D	0	5	-1.17	0.52	0.47
30755	A	1	13	0.25	0.2	1.23
30755	B	0	17	0.43	0.14	1.42
30755	C	0	2	-0.25	0.09	0.62
30755	D	0	8	-0.65	0.35	0.59
30756	A	1	36	0.4	0.14	0.95
30756	B	0	4	-0.55	0.34	0.66
30756	C	0	0	0	0	0
30756	D	0	2	-0.25	0.8	1.01
30757	A	1	23	0.39	0.17	0.92
30757	B	0	5	-0.89	0.46	0.55
30757	C	0	5	-0.17	0.21	0.9
30757	D	0	8	-0.14	0.19	0.95
30758	A	1	32	0.51	0.17	1.01
30758	B	0	13	-0.04	0.31	1.43
30758	C	0	1	-0.42	0	0.6
30758	D	0	4	-1.65	0.86	0.39
30759	A	1	11	0.31	0.31	1.32
30759	B	0	11	0.25	0.29	1.81
30759	C	0	5	-0.83	0.23	0.45
30759	D	0	16	-0.41	0.15	0.75
30760	A	1	36	0.33	0.19	0.8
30760	B	0	4	-1.04	0.19	0.59
30760	C	0	0	0	0	0
30760	D	0	2	-4.38	1.59	0.08
30761	A	1	39	0.1	0.13	0.88
30761	B	0	2	-2.43	0.67	0.17
30761	C	0	0	0	0	0
30761	D	0	2	-0.08	0.57	1.56
30762	A	1	22	0.8	0.3	1.02
30762	B	0	3	0.14	0.81	1.32
30762	C	0	12	0.22	0.23	1.16
30762	D	0	5	-1.54	1.29	0.49
30763	A	1	24	0.66	0.21	0.96
30763	B	0	8	-0.21	0.3	0.91
30763	C	0	1	-0.13	0	0.74
30763	D	0	5	-0.54	0.45	0.67
30764	A	1	31	0.32	0.26	1.07
30764	B	0	6	0.07	0.39	1.75
30764	C	0	1	-0.95	0	0.43
30764	D	0	5	-0.4	0.3	0.87
30765	A	1	28	0.61	0.16	0.81
30765	B	0	3	-0.2	0.41	0.89
30765	C	0	2	-0.73	0.35	0.46
30765	D	0	9	-0.58	0.38	0.83
30766	A	1	28	0.44	0.19	1.03
30766	B	0	5	0.1	0.25	1.17
30766	C	0	3	-0.16	0.32	0.88

30766	D	0	8	-0.46	0.24	0.7
30767	A	1	31	0.55	0.13	0.95
30767	B	0	5	0.03	0.32	0.94
30767	C	0	0	0	0	0
30767	D	0	6	-0.02	0.45	1.14
30768	A	1	10	0.79	0.31	0.89
30768	B	0	7	0.5	0.36	1.81
30768	C	0	4	-0.08	0.76	1.28
30768	D	0	18	-0.63	0.29	0.61
30769	A	1	10	2.13	0.81	0.8
30769	B	0	8	0.4	0.41	1.23
30769	C	0	5	0.53	0.31	1.04
30769	D	0	21	-0.15	0.15	0.57
30770	A	1	11	0.47	0.3	1.35
30770	B	0	13	0.33	0.34	1.82
30770	C	0	3	0.53	0.21	1.31
30770	D	0	17	-0.47	0.19	0.59
30771	A	1	8	0.18	0.31	1.72
30771	B	0	7	0.63	0.37	1.83
30771	C	0	6	0.51	0.56	2.46
30771	D	0	21	-0.5	0.37	0.78
30772	A	1	11	1.02	0.25	0.73
30772	B	0	7	-0.06	0.34	0.9
30772	C	0	10	0.17	0.26	1.05
30772	D	0	13	-0.44	0.31	0.66
30773	A	1	12	0.36	0.22	1.07
30773	B	0	8	0.08	0.25	1.16
30773	C	0	9	0.27	0.24	1.49
30773	D	0	13	-0.98	0.51	0.63
30774	A	1	6	0.65	0.17	1.07
30774	B	0	7	1.37	0.46	3.72
30774	C	0	4	0.5	0.45	1.17
30774	D	0	27	-0.19	0.21	0.85
30775	A	1	8	0.55	0.21	0.84
30775	B	0	8	-0.26	0.24	0.8
30775	C	0	9	0.24	0.42	1.83
30775	D	0	17	-0.68	0.41	0.81
30776	A	1	6	-0.11	0.25	1.72
30776	B	0	2	0.89	0.18	1.84
30776	C	0	7	0.15	0.48	1.48
30776	D	0	27	-0.08	0.2	1.03
30777	A	1	10	0.25	0.24	1.18
30777	B	0	3	0.51	0.78	2.16
30777	C	0	4	-0.03	0.62	1.57
30777	D	0	29	-0.24	0.2	0.99
30778	A	1	14	0.75	0.25	1.07
30778	B	0	5	1.05	0.58	3.32
30778	C	0	6	0.2	0.47	1.38
30778	D	0	19	-0.22	0.17	0.67
30779	A	1	9	0.95	0.14	0.58
30779	B	0	7	0.08	0.34	1.08
30779	C	0	2	0.13	0.46	0.91
30779	D	0	24	-0.46	0.34	0.87
30780	A	1	5	0.32	0.24	1.03

30780	B	0	12	-0.23	0.34	1.02
30780	C	0	5	0.25	0.16	1.07
30780	D	0	23	-0.08	0.19	1.05
30781	A	1	8	0.51	0.21	1.25
30781	B	0	6	0.6	0.31	1.3
30781	C	0	2	0.69	0.13	1.15
30781	D	0	22	0.23	0.21	1.08
30782	A	1	8	0.64	0.25	1.1
30782	B	0	7	0.81	0.33	1.74
30782	C	0	5	0.37	0.6	1.73
30782	D	0	29	-0.06	0.18	0.84
30783	A	1	9	0.41	0.19	0.94
30783	B	0	7	-0.61	0.33	0.57
30783	C	0	9	0.46	0.27	1.63
30783	D	0	17	-0.14	0.21	1.02
30784	A	1	18	0.87	0.32	1.6
30784	B	0	10	0.08	0.39	1.54
30784	C	0	9	0.06	0.22	0.8
30784	D	0	11	-0.15	0.36	0.93
30785	A	1	12	1.6	0.55	0.91
30785	B	0	3	0.04	0.56	0.85
30785	C	0	14	-0.02	0.27	0.93
30785	D	0	13	-0.73	0.56	0.59
30786	A	1	25	1.02	0.35	1.01
30786	B	0	16	0.18	0.21	1.21
30786	C	0	6	-0.6	0.37	0.57
30786	D	0	9	-1.09	0.68	0.51
30787	A	1	12	0.81	0.27	1.15
30787	B	0	17	0.57	0.22	1.49
30787	C	0	4	-0.33	0.27	0.45
30787	D	0	9	-0.18	0.42	0.94
30788	A	1	18	0.85	0.2	0.87
30788	B	0	9	0.47	0.34	1.7
30788	C	0	5	-0.44	0.52	0.69
30788	D	0	12	-0.34	0.22	0.65
30789	A	1	13	0.52	0.2	0.93
30789	B	0	8	-0.54	0.34	0.81
30789	C	0	13	-0.07	0.15	0.97
30789	D	0	13	-0.33	0.15	0.76
30790	A	1	8	0.47	0.28	1.05
30790	B	0	25	0.11	0.16	1.12
30790	C	0	2	-1.45	0.03	0.19
30790	D	0	6	-1.05	0.95	0.69
30791	A	1	6	0.76	0.25	0.65
30791	B	0	12	0.1	0.22	1.2
30791	C	0	12	-0.26	0.27	0.95
30791	D	0	14	-0.88	0.53	0.71
30792	A	1	5	0.23	0.47	1.5
30792	B	0	2	0.04	0.85	1.13
30792	C	0	27	0.17	0.1	1.06
30792	D	0	6	-1.42	1.2	0.63
30793	A	1	10	0.69	0.27	0.94
30793	B	0	19	0.15	0.15	0.99
30793	C	0	8	0.15	0.27	1.02



30793	D	0	10	-0.48	0.42	0.73
30794	A	1	8	1	0.32	0.79
30794	B	0	4	-0.19	0.56	0.91
30794	C	0	17	0.25	0.17	1.05
30794	D	0	13	-0.34	0.28	0.72
30795	A	1	22	0.59	0.18	0.84
30795	B	0	6	-0.22	0.38	1.14
30795	C	0	7	-0.33	0.24	0.78
30795	D	0	3	-1.45	0.55	0.28
30796	A	1	12	0.76	0.37	1.34
30796	B	0	1	0.67	0	1.42
30796	C	0	20	-0.07	0.17	0.99
30796	D	0	4	-1.34	1.43	0.64
30797	A	1	19	0.64	0.17	1.05
30797	B	0	9	0.54	0.29	1.57
30797	C	0	4	0.6	0.51	1.71
30797	D	0	13	-0.57	0.38	0.66
30798	A	1	14	1	0.21	0.87
30798	B	0	14	0.11	0.28	1.11
30798	C	0	5	0.55	0.21	1.02
30798	D	0	9	0.3	0.33	1.18
30799	A	1	29	0.22	0.21	1.11
30799	B	0	9	-0.04	0.29	1.52
30799	C	0	2	-0.7	0.17	0.58
30799	D	0	6	-0.9	0.56	0.77
30800	A	1	11	0.62	0.26	1.05
30800	B	0	6	0	0.29	0.86
30800	C	0	14	-0.05	0.32	1.13
30800	D	0	11	0.14	0.21	1
30801	A	1	23	1.07	0.39	0.84
30801	B	0	2	-0.76	0.2	0.4
30801	C	0	3	-0.36	0.48	0.73
30801	D	0	13	-0.26	0.21	0.83
30802	A	1	16	0.48	0.2	0.9
30802	B	0	4	0.39	0.49	1.86
30802	C	0	3	-1.34	0.32	0.26
30802	D	0	16	-0.2	0.22	1.09
30803	A	1	8	1.19	0.36	0.67
30803	B	0	4	0.26	0.58	1.38
30803	C	0	13	0.25	0.17	1.11
30803	D	0	20	-0.57	0.21	0.53
30804	A	1	16	0.74	0.41	1.25
30804	B	0	1	-0.68	0	0.39
30804	C	0	16	0.18	0.25	1.39
30804	D	0	13	-0.62	0.37	0.64
30805	A	1	37	0.67	0.14	0.94
30805	B	0	1	-0.2	0	0.63
30805	C	0	2	0.21	0.06	0.96
30805	D	0	6	-0.44	0.56	1.13
30806	A	1	12	0.61	0.26	0.94
30806	B	0	8	-0.46	0.29	0.76
30806	C	0	4	-0.28	0.3	0.75
30806	D	0	18	-0.17	0.2	1.02
30807	A	1	28	0.46	0.17	0.95

30807	B	0	5	-0.47	0.21	0.68
30807	C	0	4	-0.3	0.23	0.8
30807	D	0	8	-0.7	0.41	0.71
30808	A	1	24	0.24	0.18	1.04
30808	B	0	6	-0.27	0.5	1.34
30808	C	0	2	0.5	0.26	1.91
30808	D	0	8	-0.95	0.38	0.59
30809	A	1	20	0.74	0.21	0.94
30809	B	0	5	-0.57	0.52	0.71
30809	C	0	13	0.02	0.17	0.95
30809	D	0	8	-0.4	0.21	0.62
30810	A	1	21	1.1	0.25	0.69
30810	B	0	13	-0.05	0.27	1.01
30810	C	0	7	-0.29	0.25	0.64
30810	D	0	9	-0.34	0.16	0.56
30811	A	1	36	-0.01	0.16	1.02
30811	B	0	1	-0.91	0	0.6
30811	C	0	1	-0.33	0	1.08
30811	D	0	2	-0.85	0.9	0.91
30812	A	1	49	0.44	0.21	1.06
30812	B	0	2	-0.09	0.42	1.22
30812	C	0	1	-1.27	0	0.34
30812	D	0	0	0	0	0
30813	A	1	36	0.41	0.19	0.81
30813	B	0	5	-0.97	0.35	0.59
30813	C	0	2	-0.95	0.65	0.61
30813	D	0	1	-3.45	0	0.04
30814	A	1	45	0.63	0.18	1.02
30814	B	0	2	0.19	0.44	1.01
30814	C	0	0	0	0	0
30814	D	0	0	0	0	0
30815	A	1	42	0.31	0.13	0.6
30815	B	0	0	0	0	0
30815	C	0	1	-0.98	0	0.61
30815	D	0	1	-6.33	0	0.01
30817	A	1	37	0.32	0.14	0.86
30817	B	0	2	-1.07	0.14	0.39
30817	C	0	1	0.1	0	1.27
30817	D	0	2	-1.4	1.09	0.47
30818	A	1	46	0.37	0.16	0.77
30818	B	0	0	0	0	0
30818	C	0	1	-1.73	0	0.25
30818	D	0	3	-2.11	2.13	1.07
30819	A	1	50	0.4	0.18	0.94
30819	B	0	1	0.1	0	1.26
30819	C	0	1	-1.02	0	0.41
30819	D	0	1	-1.82	0	0.18
30820	A	1	38	0.33	0.15	1.02
30820	B	0	2	0.12	0.97	1.9
30820	C	0	3	-0.79	0.59	0.72
30820	D	0	0	0	0	0
30822	A	1	11	0	0.42	2.91
30822	B	0	22	0.32	0.19	1.34
30822	C	0	0	0	0	0

30822	D	0	11	-0.23	0.22	0.74
30823	A	1	23	0.54	0.21	1.06
30823	B	0	7	-0.32	0.43	1.04
30823	C	0	9	-0.1	0.43	1.52
30823	D	0	12	-0.88	0.62	0.92
30824	A	1	6	1.81	1.05	1.1
30824	B	0	22	0.44	0.3	1.13
30824	C	0	10	-0.17	0.23	0.57
30824	D	0	7	-0.04	0.32	0.73
30825	A	1	25	0.49	0.12	0.95
30825	B	0	5	0.11	0.21	0.96
30825	C	0	8	-0.17	0.32	1.04
30825	D	0	7	-0.02	0.29	0.95
30826	A	1	6	0.88	0.27	0.75
30826	B	0	9	-0.33	0.23	0.61
30826	C	0	23	-0.04	0.29	1.23
30826	D	0	11	-0.69	0.72	0.92
30827	A	1	4	0.31	0.58	2.67
30827	B	0	24	0.52	0.21	1.15
30827	C	0	11	0.22	0.35	1.07
30827	D	0	4	0.93	0.45	1.43
30828	A	1	5	0.28	0.28	1.27
30828	B	0	16	0.32	0.21	1.29
30828	C	0	11	0.19	0.25	1.29
30828	D	0	12	-0.3	0.22	0.67
30829	A	1	3	0.21	0.66	2.08
30829	B	0	6	0.42	0.34	1.16
30829	C	0	25	0.32	0.2	1.17
30829	D	0	10	-0.03	0.18	0.65
30830	A	1	18	0.53	0.39	1.05
30830	B	0	7	0.24	0.43	2.12
30830	C	0	8	-0.04	0.26	1.13
30830	D	0	7	-0.5	0.21	0.64
30831	A	1	39	0.87	0.23	0.85
30831	B	0	4	-0.27	0.29	0.8
30831	C	0	3	-0.23	0.21	0.76
30831	D	0	9	-1.01	0.25	0.43
30832	A	1	32	0.75	0.22	0.75
30832	B	0	1	-0.58	0	0.5
30832	C	0	3	-0.59	0.59	0.65
30832	D	0	17	-0.73	0.4	0.75
30833	A	1	36	0.62	0.17	0.97
30833	B	0	8	0.04	0.26	1.13
30833	C	0	3	-0.53	0.34	0.53
30833	D	0	7	-0.08	0.34	0.96
30834	A	1	25	0.53	0.13	0.78
30834	B	0	6	-0.63	0.37	0.75
30834	C	0	5	0.25	0.47	1.82
30834	D	0	8	-1.34	0.82	0.66
30835	A	1	42	0.45	0.12	0.88
30835	B	0	0	0	0	0
30835	C	0	2	0.14	0.34	1.17
30835	D	0	10	-0.67	0.29	0.72
30836	A	1	22	1.06	0.34	1.04

30836	B	0	5	0.17	0.25	1.05
30836	C	0	7	-0.56	0.32	0.65
30836	D	0	7	-0.57	0.37	0.71
30837	A	1	31	0.3	0.18	0.96
30837	B	0	4	-0.35	0.38	1.02
30837	C	0	1	-0.3	0	0.86
30837	D	0	8	-0.83	0.26	0.62
30838	A	1	24	0.84	0.18	0.7
30838	B	0	7	-0.38	0.32	0.79
30838	C	0	3	-0.26	0.13	0.68
30838	D	0	9	-1.39	0.75	0.66
30839	A	1	6	0.62	0.42	1.21
30839	B	0	25	0.17	0.17	1.18
30839	C	0	3	-0.89	0.43	0.34
30839	D	0	8	-0.31	0.32	0.68
30840	A	1	35	0.48	0.12	0.72
30840	B	0	2	0.25	0.47	1.54
30840	C	0	4	-0.14	0.52	1.35
30840	D	0	8	-1.88	0.66	0.31
30841	A	1	30	0.79	0.16	1.02
30841	B	0	8	0.58	0.33	1.54
30841	C	0	2	0.36	0.66	1.12
30841	D	0	9	-0.29	0.26	0.64
30842	A	1	27	0.67	0.27	0.91
30842	B	0	8	-0.42	0.22	0.78
30842	C	0	4	-0.34	0.28	0.78
30842	D	0	8	-0.69	0.2	0.56
30843	A	1	10	0.53	0.17	1.22
30843	B	0	17	0.69	0.2	1.56
30843	C	0	2	-1.26	0.27	0.17
30843	D	0	17	0.06	0.27	1.03
30844	A	1	14	0.79	0.29	0.73
30844	B	0	6	-0.22	0.27	0.98
30844	C	0	5	-0.32	0.48	1.04
30844	D	0	17	-0.66	0.13	0.61
30845	A	1	7	0.5	0.34	0.84
30845	B	0	10	-0.62	0.37	0.77
30845	C	0	6	-0.36	0.55	1.19
30845	D	0	19	-0.4	0.26	1.09
30846	A	1	14	0.47	0.3	1.21
30846	B	0	10	0.12	0.4	1.51
30846	C	0	0	0	0	0
30846	D	0	17	-0.45	0.23	0.78
30847	A	1	17	0.91	0.14	0.65
30847	B	0	10	0.02	0.32	1.13
30847	C	0	3	-0.26	0.64	0.78
30847	D	0	13	-0.39	0.2	0.62
30848	A	1	5	0.78	0.44	0.97
30848	B	0	4	0.4	0.6	1.73
30848	C	0	10	-0.12	0.19	0.73
30848	D	0	24	0	0.18	0.91
30849	A	1	17	0.99	0.41	1.08
30849	B	0	3	0.88	0.22	1.71
30849	C	0	4	-0.07	0.28	0.69

30849	D	0	16	-0.25	0.31	0.85
30850	A	1	26	0.69	0.3	1.4
30850	B	0	6	-0.06	0.34	0.94
30850	C	0	7	0.12	0.37	1.27
30850	D	0	12	0	0.17	0.86
30851	A	1	34	0.32	0.17	0.71
30851	B	0	3	-0.3	0.5	1.37
30851	C	0	2	-0.96	0.7	0.7
30851	D	0	4	-3.54	1.38	0.23
30852	A	1	28	0.33	0.19	1.04
30852	B	0	6	-0.35	0.31	1
30852	C	0	2	0.44	0.35	1.8
30852	D	0	7	-0.92	0.54	0.82
30853	A	1	14	0.71	0.19	0.71
30853	B	0	12	-0.65	0.3	0.69
30853	C	0	8	0.29	0.34	1.52
30853	D	0	9	-0.34	0.23	0.75
30854	A	1	35	0.44	0.15	0.87
30854	B	0	2	-0.2	0.25	0.86
30854	C	0	0	0	0	0
30854	D	0	5	-1.03	0.19	0.39
30855	A	1	23	0.31	0.15	1.02
30855	B	0	4	-0.05	0.75	1.89
30855	C	0	6	0.31	0.31	1.66
30855	D	0	11	-0.29	0.28	0.93
30856	A	1	24	0.93	0.21	0.9
30856	B	0	10	0.04	0.27	0.94
30856	C	0	6	-0.18	0.25	0.65
30856	D	0	9	-0.18	0.26	0.85
30857	A	1	13	0.33	0.17	1.17
30857	B	0	28	0.18	0.17	1.22
30857	C	0	8	-0.11	0.37	1.13
30857	D	0	4	-1.3	1.66	1.34
30858	A	1	15	0.76	0.22	0.98
30858	B	0	28	0.16	0.11	0.9
30858	C	0	3	1.01	0.55	2.22
30858	D	0	4	-0.34	0.41	0.56
30859	A	1	8	0.2	0.26	1.47
30859	B	0	23	0.33	0.15	1.24
30859	C	0	3	-0.06	0.57	0.93
30859	D	0	7	-0.81	0.73	0.85
30860	A	1	20	0.5	0.18	1.09
30860	B	0	5	0.32	0.38	1.32
30860	C	0	7	0.32	0.21	1.19
30860	D	0	8	-0.67	0.57	1.03
30861	A	1	23	0.04	0.13	1.11
30861	B	0	2	-0.72	0.5	0.56
30861	C	0	20	-0.09	0.17	1.2
30861	D	0	3	0.41	0.77	2.4
30862	A	1	29	0.76	0.19	0.89
30862	B	0	2	-0.7	0.78	0.51
30862	C	0	4	-0.14	0.52	1.1
30862	D	0	8	-0.14	0.28	0.9
30863	A	1	13	0.9	0.52	1.04

30863	B	0	17	0.01	0.22	1.08
30863	C	0	10	0.32	0.41	1.97
30863	D	0	3	-1.48	0.93	0.3
30864	A	1	32	0.27	0.13	0.79
30864	B	0	4	-0.32	0.44	1.15
30864	C	0	1	-0.76	0	0.58
30864	D	0	3	-2.19	0.72	0.21
30865	A	1	40	0.35	0.21	0.88
30865	B	0	4	-1.25	0.74	0.64
30865	C	0	3	-1.36	0.58	0.44
30865	D	0	2	-0.23	0.55	1.21
30866	A	1	35	0.44	0.23	1.29
30866	B	0	5	0.39	0.44	1.9
30866	C	0	2	-0.56	1.02	0.84
30866	D	0	3	-0.24	0.25	0.78
30867	A	1	21	0.22	0.16	1.21
30867	B	0	20	0.06	0.17	1.15
30867	C	0	0	0	0	0
30867	D	0	2	0.81	1.22	3.43
30868	A	1	23	0.82	0.17	0.6
30868	B	0	9	-0.8	0.35	0.59
30868	C	0	2	-0.35	0.72	0.86
30868	D	0	9	-1.09	0.45	0.83
30869	A	1	35	0.44	0.12	0.74
30869	B	0	3	-0.81	0.35	0.56
30869	C	0	3	-0.66	0.1	0.57
30869	D	0	3	-1.84	0.69	0.25
30870	A	1	41	0.2	0.14	0.98
30870	B	0	2	-0.16	0.21	1.02
30870	C	0	5	0.21	0.27	1.66
30870	D	0	3	-2.75	2.13	0.48
30871	A	1	32	0.18	0.16	1.09
30871	B	0	8	-0.23	0.31	1.42
30871	C	0	5	-0.56	0.19	0.67
30871	D	0	1	1.42	0	4.56
30872	A	1	29	0.38	0.15	1
30872	B	0	3	-0.24	0.42	0.81
30872	C	0	6	-0.26	0.32	0.88
30872	D	0	6	0.18	0.29	1.3
30873	A	1	54	0.48	0.15	0.9
30873	B	0	3	-0.25	0.21	0.76
30873	C	0	1	-1.19	0	0.29
30873	D	0	1	-2.02	0	0.12
30874	A	1	39	0.36	0.18	0.89
30874	B	0	1	0.33	0	2.05
30874	C	0	0	0	0	0
30874	D	0	3	-2.54	1.58	0.45
30875	A	1	52	0.14	0.16	2.12
30875	B	0	2	-0.62	0.26	0.77
30875	C	0	1	-0.57	0	0.78
30875	D	0	0	0	0	0
30876	A	1	20	0.77	0.21	1.01
30876	B	0	3	-0.23	0.41	0.64
30876	C	0	17	0.2	0.17	1.07

30876	D	0	4	-0.7	0.14	0.35
30877	A	1	46	0.19	0.12	0.9
30877	B	0	3	-0.97	0.66	0.64
30877	C	0	5	0.02	0.3	1.46
30877	D	0	2	-1.98	0.45	0.19
30878	A	1	34	0.43	0.13	0.82
30878	B	0	2	-0.85	0.27	0.47
30878	C	0	6	-0.67	0.33	0.66
30878	D	0	2	-1.45	0.45	0.28
30879	A	1	24	0.7	0.18	1.22
30879	B	0	6	0.2	0.35	0.96
30879	C	0	6	0.94	0.46	2.21
30879	D	0	12	0.4	0.17	0.99
30880	A	1	10	0.52	0.4	1.5
30880	B	0	22	0.18	0.18	1.03
30880	C	0	11	0.43	0.22	1.36
30880	D	0	11	-0.36	0.36	0.66
30881	A	1	20	0.35	0.21	1.1
30881	B	0	2	0.76	0.51	2.23
30881	C	0	5	-0.18	0.24	0.87
30881	D	0	15	-0.24	0.22	1.17
30882	A	1	14	0.66	0.24	1.14
30882	B	0	14	0.25	0.11	0.93
30882	C	0	3	-1.03	0.29	0.26
30882	D	0	11	0.23	0.22	1.06
30883	A	1	16	0.03	0.25	1.44
30883	B	0	13	0.28	0.19	1.67
30883	C	0	8	-0.52	0.5	1.06
30883	D	0	6	-1.11	0.3	0.42
30884	A	1	40	0.76	0.25	1.25
30884	B	0	3	-0.25	0.6	1.09
30884	C	0	0	0	0	0
30884	D	0	2	0.17	0.03	1.14
30885	A	1	24	0.77	0.33	1.16
30885	B	0	11	0.17	0.22	1.19
30885	C	0	4	0.63	0.4	1.84
30885	D	0	6	-1.89	1.14	0.46
30886	A	1	11	-0.12	0.15	1.44
30886	B	0	7	0.08	0.33	1.31
30886	C	0	22	0.22	0.14	1.3
30886	D	0	3	-1.24	0.58	0.35
30887	A	1	13	0.39	0.32	1.3
30887	B	0	3	-1.2	0.49	0.29
30887	C	0	21	0.33	0.21	1.57
30887	D	0	6	-1.05	0.32	0.37
30888	A	1	41	0.37	0.14	1.02
30888	B	0	1	-0.39	0	0.67
30888	C	0	1	-0.15	0	0.86
30888	D	0	0	0	0	0
30889	A	1	39	0.35	0.22	1.05
30889	B	0	2	0.01	0.46	1.3
30889	C	0	2	-0.57	0.11	0.66
30889	D	0	0	0	0	0
30890	A	1	24	0.49	0.13	0.77

30890	B	0	2	-0.07	0.27	0.92
30890	C	0	16	-0.3	0.14	0.81
30890	D	0	3	-2.73	1.99	0.38
30891	A	1	7	0.68	0.51	1.49
30891	B	0	4	-0.9	0.87	0.56
30891	C	0	8	0.35	0.28	1.25
30891	D	0	24	-0.4	0.35	0.99
30892	A	1	16	0.56	0.14	0.93
30892	B	0	8	0.15	0.14	0.89
30892	C	0	7	1.61	0.93	9.71
30892	D	0	23	-0.34	0.2	0.71
30893	A	1	13	1.06	0.57	1.81
30893	B	0	3	-0.49	0.57	0.43
30893	C	0	7	0.36	0.25	0.87
30893	D	0	22	0.49	0.22	1.14
30894	A	1	10	0.28	0.41	2.05
30894	B	0	30	0.21	0.14	1.24
30894	C	0	3	-0.1	0.16	0.69
30894	D	0	6	-0.69	0.23	0.42
30895	A	1	9	0.77	0.3	1.29
30895	B	0	18	0.26	0.16	0.86
30895	C	0	15	0.41	0.27	1.42
30895	D	0	11	0.49	0.24	1.11
30896	A	1	16	0.5	0.15	1.01
30896	B	0	17	0.37	0.18	1.31
30896	C	0	3	-0.73	0.18	0.36
30896	D	0	14	-0.08	0.24	0.96
30897	A	1	21	0.7	0.17	0.84
30897	B	0	8	-0.13	0.2	0.81
30897	C	0	12	-0.05	0.29	1.15
30897	D	0	9	-0.6	0.33	0.6
30898	A	1	22	0.82	0.18	0.88
30898	B	0	10	-0.03	0.35	0.96
30898	C	0	3	0.62	0.3	1.38
30898	D	0	8	-0.45	0.38	0.72
30899	A	1	16	0.54	0.24	1.05
30899	B	0	9	-0.02	0.21	1.04
30899	C	0	14	0	0.27	1.3
30899	D	0	10	-0.59	0.27	0.61
30900	A	1	11	-0.06	0.3	2.25
30900	B	0	19	0.41	0.21	1.66
30900	C	0	6	0.49	0.26	1.4
30900	D	0	7	-0.67	0.39	0.59
30901	A	1	8	0.64	0.3	1.01
30901	B	0	4	0.09	0.21	0.8
30901	C	0	18	0.33	0.12	1.08
30901	D	0	11	-0.64	0.66	0.87
30902	A	1	9	-0.11	0.41	2.86
30902	B	0	17	0.24	0.13	1.03
30902	C	0	12	0.43	0.33	1.91
30902	D	0	8	-0.51	0.31	0.55
30903	A	1	14	0.83	0.19	0.97
30903	B	0	5	0.35	0.26	0.9
30903	C	0	6	0.51	0.5	1.38



30903	D	0	18	0.42	0.39	2.14
30904	A	1	7	0.96	0.42	0.98
30904	B	0	3	-0.13	0.18	0.64
30904	C	0	22	0.05	0.19	1.05
30904	D	0	11	-0.39	0.24	0.61
30905	A	1	10	0.78	0.35	1.1
30905	B	0	10	0.06	0.44	1.26
30905	C	0	7	0.36	0.24	1.08
30905	D	0	27	-0.04	0.16	0.85
30906	A	1	9	1.08	0.37	1.09
30906	B	0	5	0.2	0.37	0.97
30906	C	0	18	0.14	0.24	1.11
30906	D	0	10	-1.45	0.73	0.46
30907	A	1	37	0.5	0.22	1.35
30907	B	0	3	-0.39	0.64	1.05
30907	C	0	3	-0.55	0.26	0.63
30907	D	0	6	-0.58	0.32	0.7
30908	A	1	6	1.13	0.25	0.66
30908	B	0	27	0.17	0.13	0.87
30908	C	0	5	1.11	0.43	2.51
30908	D	0	10	-0.28	0.13	0.49
30909	A	1	17	0.6	0.17	0.88
30909	B	0	1	-0.15	0	0.7
30909	C	0	18	-0.04	0.17	0.98
30909	D	0	12	-0.24	0.15	0.71
30910	A	1	10	0.61	0.27	0.87
30910	B	0	15	-0.21	0.19	0.92
30910	C	0	7	0.02	0.37	1.21
30910	D	0	11	-0.89	0.57	0.65
30911	A	1	41	0.54	0.21	0.86
30911	B	0	2	-0.88	0.22	0.46
30911	C	0	0	0	0	0
30911	D	0	3	-1.13	0.74	0.51
30912	A	1	20	0.9	0.24	0.83
30912	B	0	5	-0.32	0.16	0.62
30912	C	0	11	-0.29	0.21	0.75
30912	D	0	9	-0.48	0.38	1.08
30913	A	1	11	0.91	0.32	0.85
30913	B	0	10	-0.01	0.29	1.26
30913	C	0	9	-0.6	0.33	0.67
30913	D	0	11	-1.05	0.58	0.62
30914	A	1	21	1.17	0.33	0.88
30914	B	0	3	-0.06	0.64	0.82
30914	C	0	6	0.03	0.43	0.88
30914	D	0	13	-0.1	0.32	0.92
30915	A	1	25	0.2	0.14	1.06
30915	B	0	4	0.24	0.36	1.48
30915	C	0	6	0.21	0.38	1.61
30915	D	0	10	-0.53	0.38	1.02
30916	A	1	7	0.68	0.4	1.21
30916	B	0	7	-0.68	1.02	0.83
30916	C	0	23	0.35	0.18	1.16
30916	D	0	8	-0.36	0.37	0.69
30917	A	1	30	0.57	0.25	0.91

30917	B	0	5	-0.07	0.38	1.21
30917	C	0	3	0.12	0.67	1.6
30917	D	0	6	-1.11	0.6	0.56
30918	A	1	20	0.81	0.23	1.06
30918	B	0	3	0.12	0.22	0.81
30918	C	0	11	0.06	0.19	0.87
30918	D	0	8	-0.21	0.38	0.9
30919	A	1	10	0.23	0.32	1.77
30919	B	0	28	0.36	0.18	1.35
30919	C	0	4	-0.31	0.37	0.59
30919	D	0	4	-0.93	0.66	0.57
30920	A	1	13	0.95	0.18	0.8
30920	B	0	4	0.52	0.18	1.05
30920	C	0	13	0.66	0.21	1.44
30920	D	0	13	-0.5	0.17	0.41
30921	A	1	24	0.27	0.22	2.05
30921	B	0	1	0.63	0	1.92
30921	C	0	13	-0.38	0.18	0.84
30921	D	0	8	-0.49	0.35	0.95
30922	A	1	28	0.14	0.2	1.42
30922	B	0	1	0.29	0	1.62
30922	C	0	7	-0.25	0.52	1.6
30922	D	0	6	-1	0.23	0.5
30923	A	1	14	0.51	0.21	1.31
30923	B	0	7	0.76	0.37	2.22
30923	C	0	4	0.18	0.59	1.2
30923	D	0	19	-0.4	0.41	0.84
30924	A	1	32	0.76	0.25	1.09
30924	B	0	2	0.35	0.13	1.21
30924	C	0	4	0.28	0.58	1.71
30924	D	0	5	-1.04	0.31	0.36
30925	A	1	17	1.25	0.39	0.8
30925	B	0	7	-0.34	0.28	0.56
30925	C	0	3	0.81	0.22	1.42
30925	D	0	21	-0.22	0.39	1.12
30926	A	1	15	0.91	0.46	0.87
30926	B	0	3	-0.74	0.29	0.43
30926	C	0	8	0.34	0.23	1.41
30926	D	0	22	-0.3	0.13	0.74
30927	A	1	3	2.69	2.07	0.64
30927	B	0	6	0.07	0.14	0.65
30927	C	0	23	0.19	0.13	0.83
30927	D	0	15	-0.09	0.21	0.7
30928	A	1	13	0.79	0.33	1.41
30928	B	0	5	0.08	0.13	0.73
30928	C	0	20	0.35	0.17	1.18
30928	D	0	8	-0.82	0.23	0.34
30929	A	1	17	1.37	0.55	1.14
30929	B	0	6	0.39	0.38	1.16
30929	C	0	22	0.14	0.15	0.88
30929	D	0	4	-0.29	0.16	0.47
30930	A	1	13	0.97	0.22	0.73
30930	B	0	11	0.02	0.18	0.83
30930	C	0	6	-0.37	0.34	0.64

30930	D	0	14	-0.25	0.28	0.85
30931	A	1	6	1.14	0.54	0.81
30931	B	0	12	-0.03	0.26	0.97
30931	C	0	5	0.65	0.26	1.45
30931	D	0	17	-0.35	0.25	0.64
30932	A	1	15	1.01	0.38	1.02
30932	B	0	5	0.02	0.2	0.86
30932	C	0	18	-0.18	0.14	0.75
30932	D	0	4	-1.09	0.7	0.41
30933	A	1	21	1.01	0.34	0.97
30933	B	0	1	1.07	0	2.14
30933	C	0	22	-0.1	0.19	0.96
30933	D	0	8	-0.56	0.2	0.48
30934	A	1	20	1.06	0.18	0.75
30934	B	0	9	-0.2	0.31	0.72
30934	C	0	5	-0.43	0.41	0.58
30934	D	0	9	-0.16	0.46	1.07
30935	A	1	12	1.08	0.18	0.72
30935	B	0	12	0.3	0.21	0.99
30935	C	0	13	0.38	0.19	1.13
30935	D	0	8	-0.39	0.26	0.48
30936	A	1	21	0.72	0.18	0.73
30936	B	0	3	-1.24	0.65	0.4
30936	C	0	7	0.38	0.26	1.56
30936	D	0	15	-0.69	0.22	0.62
30937	A	1	9	1.74	0.65	0.53
30937	B	0	3	0.79	0.2	1.45
30937	C	0	19	0.03	0.14	0.77
30937	D	0	11	-0.69	0.39	0.54
30938	A	1	14	1.58	0.43	0.58
30938	B	0	16	0.07	0.18	0.75
30938	C	0	9	0.24	0.27	0.91
30938	D	0	10	-0.26	0.32	0.65
30939	A	1	14	0.09	0.28	1.8
30939	B	0	16	0.23	0.28	1.56
30939	C	0	3	-0.72	0.58	0.54
30939	D	0	7	-0.98	1.07	1.06
30940	A	1	14	0.71	0.28	1.12
30940	B	0	1	-0.45	0	0.45
30940	C	0	12	-0.06	0.37	1.24
30940	D	0	16	-0.14	0.25	0.85
30941	A	1	17	0.85	0.39	0.82
30941	B	0	4	-0.1	0.47	1.08
30941	C	0	9	-0.2	0.18	0.81
30941	D	0	17	-0.41	0.19	0.77
30942	A	1	10	0.91	0.3	0.68
30942	B	0	3	-0.48	0.65	0.78
30942	C	0	10	0.15	0.28	1.34
30942	D	0	18	-0.46	0.13	0.59
30943	A	1	14	1.11	0.47	0.82
30943	B	0	4	0.59	0.61	2.09
30943	C	0	9	0.04	0.33	1.04
30943	D	0	20	-0.31	0.18	0.72
30944	A	1	18	1.25	0.41	0.89

30944	B	0	12	0.01	0.25	0.93
30944	C	0	5	0.24	0.36	1.07
30944	D	0	22	-0.5	0.36	0.74
30945	A	1	22	0.61	0.2	1.08
30945	B	0	13	-0.04	0.12	0.8
30945	C	0	14	-0.17	0.3	0.94
30945	D	0	8	0.15	0.25	1.11
30946	A	1	20	0.23	0.19	1.14
30946	B	0	13	0.07	0.23	1.34
30946	C	0	7	-0.24	0.25	0.91
30946	D	0	4	-0.75	0.23	0.48
30947	A	1	20	1.55	0.44	0.75
30947	B	0	6	0.25	0.19	0.91
30947	C	0	15	-0.27	0.17	0.58
30947	D	0	4	-0.68	0.56	0.49
30948	A	1	13	0.86	0.25	1.1
30948	B	0	20	0.74	0.36	2.3
30948	C	0	8	0.27	0.37	1.25
30948	D	0	8	-0.7	0.54	0.52
30949	A	1	32	0.79	0.28	1.33
30949	B	0	4	-0.51	0.23	0.7
30949	C	0	6	-0.88	0.19	0.48
30949	D	0	6	-1.12	0.26	0.41
30950	A	1	40	0.19	0.18	0.95
30950	B	0	2	-0.03	0.31	1.55
30950	C	0	3	-1.52	0.99	0.68
30950	D	0	3	-1.33	0.76	0.68
30951	A	1	26	0.37	0.17	0.99
30951	B	0	8	-0.4	0.23	0.76
30951	C	0	0	0	0	0
30951	D	0	8	-0.09	0.23	1.03
30952	A	1	24	0.54	0.16	1
30952	B	0	7	-0.09	0.21	0.84
30952	C	0	3	0.38	0.15	1.19
30952	D	0	11	-0.19	0.17	0.76
30953	A	1	12	0.42	0.33	1.37
30953	B	0	9	0.11	0.33	1.37
30953	C	0	11	0.13	0.18	1.14
30953	D	0	9	-0.99	0.33	0.44
30954	A	1	16	0.1	0.22	1.56
30954	B	0	9	0.23	0.31	1.92
30954	C	0	3	0.43	0.35	1.51
30954	D	0	14	-0.06	0.16	0.96
30955	A	1	19	0.74	0.18	0.99
30955	B	0	16	0.4	0.28	1.9
30955	C	0	10	0	0.4	0.94
30955	D	0	11	-0.25	0.26	0.68
30956	A	1	15	0.62	0.29	1.44
30956	B	0	19	0.36	0.16	1.21
30956	C	0	4	0	0.57	1.07
30956	D	0	11	-0.47	0.42	0.87
30957	A	1	13	0.41	0.29	1.42
30957	B	0	9	-0.22	0.22	0.67
30957	C	0	21	0.44	0.16	1.38

30957	D	0	13	-0.24	0.26	0.86
30958	A	1	12	0.59	0.25	1.1
30958	B	0	6	-0.1	0.35	0.9
30958	C	0	8	0.09	0.34	1.32
30958	D	0	18	-0.08	0.22	0.98
30959	A	1	10	1.23	0.32	1.12
30959	B	0	6	0.91	0.18	1.28
30959	C	0	7	0.64	0.25	1.08
30959	D	0	17	-0.03	0.21	0.67
30960	A	1	17	1.11	0.2	0.69
30960	B	0	7	0.01	0.26	0.81
30960	C	0	2	0.31	0.3	0.92
30960	D	0	17	-0.2	0.16	0.65
30961	A	1	12	1.06	0.4	1.37
30961	B	0	11	0.1	0.18	0.79
30961	C	0	14	0.33	0.26	1.33
30961	D	0	10	-0.98	0.65	0.44
30962	A	1	14	0.9	0.3	0.92
30962	B	0	13	0.04	0.15	0.77
30962	C	0	25	0.21	0.12	1
30962	D	0	4	-0.48	0.51	0.63
30963	A	1	9	0.53	0.3	1.23
30963	B	0	8	-0.27	0.39	1.07
30963	C	0	19	0.34	0.21	1.41
30963	D	0	8	-0.2	0.28	0.72
30964	A	1	31	0.73	0.15	0.87
30964	B	0	1	-1.3	0	0.21
30964	C	0	8	-0.15	0.22	0.75
30964	D	0	2	-1.96	2.21	0.61
30965	A	1	11	0.97	0.26	0.69
30965	B	0	8	0.18	0.25	1.1
30965	C	0	11	0	0.16	0.86
30965	D	0	16	-0.51	0.26	0.62
30966	A	1	8	1.32	0.84	1.12
30966	B	0	8	0.39	0.37	1.5
30966	C	0	10	-0.15	0.26	0.74
30966	D	0	15	-0.15	0.21	0.75
30967	A	1	14	0.94	0.14	0.81
30967	B	0	8	0.61	0.38	1.62
30967	C	0	8	-0.02	0.43	0.99
30967	D	0	12	0.08	0.25	0.84
30968	A	1	13	1.03	0.52	0.88
30968	B	0	3	-0.54	0.47	0.57
30968	C	0	15	0.03	0.25	1.11
30968	D	0	16	-0.31	0.21	0.78
30969	A	1	13	0.54	0.21	1.01
30969	B	0	7	-0.51	0.5	0.82
30969	C	0	7	0.31	0.39	1.71
30969	D	0	18	-0.84	0.54	1.22
30970	A	1	10	1.42	0.62	0.9
30970	B	0	4	0.45	0.43	1.2
30970	C	0	11	0.35	0.14	0.98
30970	D	0	19	-0.28	0.18	0.63
30971	A	1	19	0.85	0.21	0.91

30971	B	0	4	-0.78	0.3	0.36
30971	C	0	15	0	0.19	0.9
30971	D	0	3	0.32	0.12	0.98
30972	A	1	23	0.55	0.19	0.93
30972	B	0	8	-0.55	0.52	1.05
30972	C	0	4	-0.31	0.24	0.74
30972	D	0	9	-0.55	0.3	0.73
30973	A	1	23	0.6	0.19	0.88
30973	B	0	10	-0.13	0.14	0.89
30973	C	0	4	-1.19	0.35	0.32
30973	D	0	5	-0.37	0.31	0.75
30974	A	1	27	0.6	0.2	1.04
30974	B	0	9	0.06	0.24	1.05
30974	C	0	5	0.16	0.24	1.06
30974	D	0	16	-0.24	0.13	0.72
30975	A	1	24	0.34	0.17	1.22
30975	B	0	5	1.02	0.42	3.21
30975	C	0	5	-0.2	0.49	1.23
30975	D	0	11	-0.15	0.36	1.01
30976	A	1	21	1.1	0.18	0.71
30976	B	0	5	-0.18	0.28	0.62
30976	C	0	9	-0.12	0.32	0.77
30976	D	0	11	-0.72	0.65	0.62
30977	A	1	21	1.19	0.34	0.84
30977	B	0	20	-0.15	0.17	0.73
30977	C	0	5	0.52	0.43	1.53
30977	D	0	5	-0.56	0.3	0.47
30978	A	1	17	0.46	0.2	1.01
30978	B	0	15	0.12	0.2	1.26
30978	C	0	8	-0.65	0.41	0.63
30978	D	0	3	-0.47	0.72	0.84
30979	A	1	23	0.94	0.33	0.97
30979	B	0	5	-0.25	0.34	0.65
30979	C	0	2	0.61	0.06	1.29
30979	D	0	22	-0.04	0.19	0.95
30980	A	1	9	1.26	0.78	1.69
30980	B	0	11	0.6	0.3	1.4
30980	C	0	11	0.65	0.27	1.3
30980	D	0	15	-0.02	0.16	0.57
30981	A	1	7	0.51	0.52	1.47
30981	B	0	28	0.29	0.13	1.03
30981	C	0	2	0.63	1.23	2.17
30981	D	0	4	-0.8	0.75	0.47
30982	A	1	10	0.42	0.34	1.73
30982	B	0	10	0.2	0.27	1.03
30982	C	0	11	0.46	0.34	1.78
30982	D	0	15	-0.24	0.48	0.91
30983	A	1	26	0.38	0.17	1.23
30983	B	0	6	0.44	0.09	1.36
30983	C	0	2	-0.66	0.24	0.46
30983	D	0	8	-0.33	0.22	0.73
30984	A	1	30	0.39	0.15	1.04
30984	B	0	5	0.12	0.36	1.31
30984	C	0	13	0.5	0.59	5.05

30984	D	0	7	-0.54	0.24	0.58
30985	A	1	12	0.75	0.35	1.17
30985	B	0	15	-0.11	0.18	0.81
30985	C	0	13	0.15	0.27	1.2
30985	D	0	5	-0.53	0.68	0.7
30986	A	1	34	0.33	0.24	1.05
30986	B	0	2	0.02	0.51	1.3
30986	C	0	5	-0.39	0.18	0.8
30986	D	0	8	-0.51	0.36	1.02
30987	A	1	9	0.09	0.13	1.13
30987	B	0	12	-0.01	0.28	1.3
30987	C	0	20	0.09	0.18	1.26
30987	D	0	9	-0.44	0.28	0.71
30988	A	1	4	-0.31	0.39	2.48
30988	B	0	30	0.24	0.17	1.27
30988	C	0	3	-0.86	0.14	0.29
30988	D	0	6	-0.51	0.63	1.04
30989	A	1	7	0.79	0.24	0.77
30989	B	0	4	-0.99	0.76	0.46
30989	C	0	23	0.18	0.2	1.28
30989	D	0	7	-0.43	0.3	0.57
30990	A	1	28	0.52	0.16	0.9
30990	B	0	3	-0.09	0.55	1.17
30990	C	0	4	-0.56	0.08	0.54
30990	D	0	6	-0.7	0.27	0.55
30991	A	1	9	0.69	0.26	0.99
30991	B	0	12	0.01	0.18	0.76
30991	C	0	7	0.38	0.31	1.2
30991	D	0	18	0.14	0.24	1.17
30992	A	1	16	1.51	0.68	1.35
30992	B	0	6	0.53	0.41	1.44
30992	C	0	13	0.49	0.17	1.17
30992	D	0	13	-0.23	0.22	0.66
30993	A	1	14	0.71	0.3	1.12
30993	B	0	9	0.28	0.21	1.09
30993	C	0	12	0.38	0.17	1.17
30993	D	0	15	-0.66	0.49	0.68
30994	A	1	4	0.27	0.27	1.12
30994	B	0	4	0.1	0.59	1.41
30994	C	0	18	0.08	0.18	1.04
30994	D	0	15	-0.05	0.22	1
30995	A	1	18	0.78	0.43	1.01
30995	B	0	6	-0.4	0.54	1.1
30995	C	0	10	-0.2	0.27	1.06
30995	D	0	14	-0.36	0.29	0.93
30996	A	1	11	0.71	0.26	0.79
30996	B	0	12	0.24	0.17	1.16
30996	C	0	8	-0.21	0.17	0.71
30996	D	0	12	-0.38	0.22	0.7
30997	A	1	12	0.83	0.18	1.02
30997	B	0	5	0.72	0.56	1.64
30997	C	0	10	0.5	0.36	1.54
30997	D	0	16	0.04	0.26	0.9
30998	A	1	14	0.88	0.29	1.14

30998	B	0	3	0.43	0.59	1.2
30998	C	0	20	0.04	0.2	0.93
30998	D	0	7	0.29	0.4	1.2
30999	A	1	9	1.77	0.69	0.84
30999	B	0	7	0.23	0.26	0.72
30999	C	0	13	0.64	0.24	1.22
30999	D	0	14	-0.3	0.27	0.55
31000	A	1	12	0.81	0.23	1.08
31000	B	0	12	0.29	0.13	0.85
31000	C	0	8	0.32	0.28	0.98
31000	D	0	13	0.14	0.32	1.18
31001	A	1	45	-0.04	0.15	1.09
31001	B	0	0	0	0	0
31001	C	0	1	-0.03	0	1.73
31001	D	0	0	0	0	0
31002	A	1	34	0.28	0.14	0.92
31002	B	0	2	-0.41	0.29	0.81
31002	C	0	5	-0.6	0.3	0.76
31002	D	0	5	-1.15	0.67	0.71
31003	A	1	48	0.22	0.18	1.07
31003	B	0	0	0	0	0
31003	C	0	3	0.03	0.38	1.35
31003	D	0	0	0	0	0
31004	A	1	38	0.27	0.16	0.96
31004	B	0	1	-1.19	0	0.38
31004	C	0	3	-0.94	0.1	0.49
31004	D	0	1	-0.56	0	0.7
31005	A	1	44	0.31	0.14	0.88
31005	B	0	0	0	0	0
31005	C	0	1	-1.11	0	0.39
31005	D	0	1	-2.14	0	0.13
31006	A	1	34	0.25	0.22	1.06
31006	B	0	2	0.23	0.08	1.87
31006	C	0	6	-1.1	0.3	0.6
31006	D	0	1	-1.9	0	0.22
31007	A	1	19	0.38	0.23	1.69
31007	B	0	17	0.56	0.42	3.12
31007	C	0	8	0.12	0.25	0.98
31007	D	0	2	0.03	0.79	0.96
31008	A	1	42	0.76	0.22	0.93
31008	B	0	7	-0.27	0.15	0.68
31008	C	0	0	0	0	0
31008	D	0	2	-0.99	0.01	0.31
31009	A	1	13	0.79	0.29	1.06
31009	B	0	13	0.19	0.15	0.95
31009	C	0	10	0.17	0.25	1.04
31009	D	0	4	-0.71	0.31	0.38
31010	A	1	35	0.52	0.16	0.91
31010	B	0	4	0.15	0.4	1.41
31010	C	0	2	-0.55	0.43	0.62
31010	D	0	3	-1.68	0.65	0.27
31011	A	1	14	0.08	0.25	1.48
31011	B	0	7	0.51	0.2	1.57
31011	C	0	21	0.03	0.22	1.41



31011	D	0	4	-1.01	0.22	0.33
31012	A	1	33	0.29	0.18	1.01
31012	B	0	4	-0.54	0.36	0.73
31012	C	0	4	-0.32	0.56	1.13
31012	D	0	1	1.83	0	6.6
31013	A	1	44	0.48	0.19	0.99
31013	B	0	3	-0.18	0.65	1.26
31013	C	0	2	-0.61	0.29	0.56
31013	D	0	0	0	0	0
31014	A	1	30	0.59	0.16	0.85
31014	B	0	11	-0.53	0.18	0.61
31014	C	0	1	0.54	0	1.52
31014	D	0	7	-0.24	0.34	0.93
31015	A	1	39	0.44	0.14	0.64
31015	B	0	1	-1.74	0	0.25
31015	C	0	0	0	0	0
31015	D	0	3	-3.44	1.64	0.18
31016	A	1	30	0.67	0.26	0.96
31016	B	0	5	0.06	0.15	0.92
31016	C	0	7	0.18	0.32	1.32
31016	D	0	8	-1.07	0.82	0.64
31017	A	1	40	0.17	0.13	0.94
31017	B	0	1	-1.17	0	0.39
31017	C	0	1	-0.68	0	0.63
31017	D	0	1	-1.51	0	0.27
31018	A	1	30	0.69	0.24	0.96
31018	B	0	15	-0.26	0.17	0.79
31018	C	0	7	0	0.37	1.12
31018	D	0	1	-1.47	0	0.19
31019	A	1	31	0.45	0.17	0.89
31019	B	0	6	-0.46	0.26	0.81
31019	C	0	1	-0.73	0	0.53
31019	D	0	5	-1.01	0.48	0.61
31020	A	1	26	0.81	0.17	0.76
31020	B	0	4	-0.13	0.2	0.73
31020	C	0	11	-0.57	0.2	0.52
31020	D	0	2	0.21	0.56	1.12
31021	A	1	28	0.22	0.17	1.11
31021	B	0	10	-0.2	0.19	1.02
31021	C	0	0	0	0	0
31021	D	0	1	-1.24	0	0.31
31022	A	1	43	0.47	0.11	0.66
31022	B	0	3	-2.14	2.09	0.82
31022	C	0	1	-3.36	0	0.05
31022	D	0	1	-1.99	0	0.17
31023	A	1	7	0.19	0.35	1.49
31023	B	0	12	0.17	0.22	1.06
31023	C	0	26	0.19	0.14	1.11
31023	D	0	2	-3.83	2.85	0.14
31024	A	1	23	0.53	0.24	1.17
31024	B	0	11	0.05	0.27	1.12
31024	C	0	12	-0.2	0.35	1.16
31024	D	0	6	0.38	0.42	1.6
31025	A	1	24	1.01	0.4	1.08

31025	B	0	5	0.2	0.55	1.95
31025	C	0	4	-0.57	0.3	0.5
31025	D	0	8	0.18	0.63	3.56
31026	A	1	12	1.39	0.54	1
31026	B	0	24	0.51	0.18	1.17
31026	C	0	2	-0.58	0.03	0.28
31026	D	0	6	-1.77	1.12	0.38
31027	A	1	37	0.34	0.16	0.99
31027	B	0	3	-0.28	0.35	1.05
31027	C	0	3	-1.06	0.35	0.48
31027	D	0	2	-1.94	0.21	0.18
31028	A	1	29	0.43	0.16	0.93
31028	B	0	18	-0.34	0.2	0.93
31028	C	0	4	-0.54	0.46	0.81
31028	D	0	0	0	0	0
31029	A	1	41	0.67	0.2	1
31029	B	0	6	0.45	0.27	1.51
31029	C	0	2	-1.4	0.34	0.21
31029	D	0	2	-0.58	0.06	0.46
31030	A	1	40	0.29	0.2	1.08
31030	B	0	3	0	0.77	1.83
31030	C	0	2	-0.52	0.73	0.91
31030	D	0	1	-1.46	0	0.28
31031	A	1	42	0.53	0.14	0.85
31031	B	0	1	-3.1	0	0.05
31031	C	0	4	-0.03	0.66	1.77
31031	D	0	2	-0.96	0	0.37
31032	A	1	29	0.22	0.16	1.19
31032	B	0	2	-0.13	0.45	1.01
31032	C	0	6	-0.6	0.25	0.66
31032	D	0	6	-0.07	0.35	1.3
31033	A	1	32	0.51	0.14	0.79
31033	B	0	4	-0.81	0.57	0.68
31033	C	0	5	0.2	0.52	2.12
31033	D	0	4	-1.91	0.63	0.24
31034	A	1	28	0.48	0.12	0.83
31034	B	0	4	-0.29	0.18	0.7
31034	C	0	6	0	0.27	1.04
31034	D	0	5	-1.85	1.39	0.76
31035	A	1	24	0.4	0.15	0.92
31035	B	0	10	-0.02	0.25	1.2
31035	C	0	6	-0.42	0.23	0.7
31035	D	0	5	-0.78	0.48	0.71
31036	A	1	15	0.89	0.23	0.8
31036	B	0	17	0.15	0.16	1.01
31036	C	0	3	-0.03	0.06	0.69
31036	D	0	7	-0.63	0.27	0.46
31037	A	1	26	0.47	0.15	0.94
31037	B	0	3	0.28	1.01	3.03
31037	C	0	5	-0.39	0.45	0.9
31037	D	0	7	-0.65	0.81	1.63
31038	A	1	37	0.28	0.12	0.92
31038	B	0	4	0.24	0.48	1.79
31038	C	0	1	0.17	0	1.24

31038	D	0	8	-0.83	0.15	0.49
31039	A	1	38	0.12	0.11	0.77
31039	B	0	2	0.06	0.21	1.51
31039	C	0	0	0	0	0
31039	D	0	3	-3.23	1.72	0.23
31040	A	1	23	0.37	0.19	0.94
31040	B	0	3	-0.38	0.69	1.07
31040	C	0	7	-0.45	0.13	0.73
31040	D	0	8	-1.09	0.69	0.76
31041	A	1	14	0.91	0.17	0.68
31041	B	0	12	-0.31	0.25	0.68
31041	C	0	10	0.34	0.27	1.35
31041	D	0	12	-0.13	0.17	0.72
31042	A	1	22	0.41	0.22	1.21
31042	B	0	6	-0.42	0.32	0.74
31042	C	0	5	1.07	0.47	3.38
31042	D	0	10	-0.37	0.15	0.65
31043	A	1	17	0.53	0.18	0.84
31043	B	0	12	-0.03	0.23	1.12
31043	C	0	2	0.02	0.18	0.91
31043	D	0	13	-0.42	0.18	0.68
31044	A	1	17	0.98	0.19	0.81
31044	B	0	4	-0.02	0.28	0.71
31044	C	0	8	-0.34	0.28	0.58
31044	D	0	12	0.12	0.26	0.98
31045	A	1	33	0.35	0.18	0.98
31045	B	0	9	-0.92	0.31	0.68
31045	C	0	1	-0.89	0	0.51
31045	D	0	4	-0.59	0.39	0.88
31046	A	1	14	0.79	0.24	0.98
31046	B	0	11	0.14	0.23	0.97
31046	C	0	12	0.39	0.19	1.18
31046	D	0	11	-0.28	0.17	0.57
31047	A	1	15	0.89	0.21	0.92
31047	B	0	2	-0.23	0.42	0.53
31047	C	0	13	0.44	0.18	1.19
31047	D	0	13	-0.15	0.26	0.7
31048	A	1	12	0.58	0.27	1.32
31048	B	0	10	0.15	0.29	1.1
31048	C	0	11	0.33	0.24	1.16
31048	D	0	15	-0.18	0.33	0.93
31049	A	1	35	0.37	0.15	0.98
31049	B	0	2	-0.41	0.29	0.75
31049	C	0	1	-0.13	0	0.96
31049	D	0	6	-0.92	0.45	0.73
31050	A	1	9	1.23	0.64	0.99
31050	B	0	4	-0.09	0.31	0.65
31050	C	0	15	0.26	0.18	0.99
31050	D	0	14	0.02	0.24	0.87
31051	A	1	16	0.74	0.23	1.04
31051	B	0	8	-0.22	0.4	0.79
31051	C	0	11	-0.02	0.26	0.87
31051	D	0	6	0.16	0.3	1
31052	A	1	14	1.15	0.24	0.8

31052	B	0	14	0.13	0.22	0.81
31052	C	0	9	-0.34	0.38	0.61
31052	D	0	6	0.51	0.81	2.08
31053	A	1	9	0.42	0.41	1.98
31053	B	0	17	0.21	0.18	1.19
31053	C	0	7	-0.15	0.29	0.87
31053	D	0	14	-0.23	0.17	0.72
31054	A	1	10	0.41	0.25	1.56
31054	B	0	11	0.49	0.32	1.4
31054	C	0	14	0.47	0.23	1.21
31054	D	0	11	0.27	0.18	0.86
31055	A	1	7	1.01	0.72	3.26
31055	B	0	13	-0.01	0.2	0.65
31055	C	0	13	0.08	0.27	0.84
31055	D	0	10	0.5	0.31	1.26
31056	A	1	11	1.24	0.61	0.82
31056	B	0	11	-0.06	0.27	0.96
31056	C	0	11	-0.18	0.31	1.12
31056	D	0	11	-0.95	0.53	0.63
31057	A	1	27	0.7	0.19	0.92
31057	B	0	4	0.17	0.19	1.05
31057	C	0	7	-0.04	0.44	1.21
31057	D	0	5	-1.42	0.45	0.27
31058	A	1	24	0.66	0.17	0.83
31058	B	0	4	-0.6	0.19	0.51
31058	C	0	12	0.02	0.22	1.13
31058	D	0	5	-1.29	0.27	0.28
31059	A	1	28	0.31	0.18	1.03
31059	B	0	9	-0.29	0.2	0.9
31059	C	0	1	-0.52	0	0.62
31059	D	0	3	-0.65	0.07	0.55
31060	A	1	25	0.48	0.18	1.01
31060	B	0	11	-0.09	0.19	1.02
31060	C	0	9	-0.38	0.28	0.89
31060	D	0	4	-1.1	0.76	0.58
31061	A	1	20	0.75	0.33	1.02
31061	B	0	6	-0.04	0.32	0.85
31061	C	0	13	0.13	0.26	1.18
31061	D	0	3	-0.5	1.6	1.86
31062	A	1	17	0.41	0.22	1.13
31062	B	0	22	0.06	0.17	1.2
31062	C	0	5	-1.06	0.55	0.43
31062	D	0	0	0	0	0
31063	A	1	28	1.02	0.26	0.93
31063	B	0	11	-0.02	0.2	0.78
31063	C	0	3	-0.34	0.89	1.05
31063	D	0	3	-0.25	0.85	0.85
31064	A	1	34	0.52	0.14	0.91
31064	B	0	1	-0.49	0	0.56
31064	C	0	9	-0.5	0.42	0.92
31064	D	0	4	-0.28	0.26	0.77
31065	A	1	9	0.74	0.4	1.08
31065	B	0	18	0.29	0.17	1.25
31065	C	0	8	-0.12	0.22	0.8

31065	D	0	13	-0.47	0.18	0.56
31066	A	1	10	0.34	0.25	1.26
31066	B	0	13	0.27	0.18	1.18
31066	C	0	10	0.57	0.69	3.04
31066	D	0	13	-0.19	0.2	0.77
31067	A	1	10	0.37	0.27	1.46
31067	B	0	11	0.64	0.2	1.54
31067	C	0	15	-0.08	0.26	1.02
31067	D	0	11	-0.21	0.37	1.07
31068	A	1	26	0.61	0.18	0.92
31068	B	0	4	-0.65	0.27	0.49
31068	C	0	6	-0.92	0.5	0.51
31068	D	0	12	0.04	0.34	1.37
31069	A	1	30	0.32	0.18	1.15
31069	B	0	2	-1.15	0.17	0.32
31069	C	0	2	-0.4	0.28	0.69
31069	D	0	10	0.02	0.25	1.45
31070	A	1	17	0.3	0.21	1.27
31070	B	0	4	0.33	0.66	2.21
31070	C	0	2	-0.57	1.17	0.93
31070	D	0	23	-0.3	0.17	1.01
31071	A	1	13	1.89	0.63	0.51
31071	B	0	8	0.17	0.33	1.22
31071	C	0	10	-0.87	0.53	0.65
31071	D	0	18	-0.71	0.26	0.59
31072	A	1	4	0.51	0.46	1.23
31072	B	0	6	0.57	0.25	1.36
31072	C	0	11	0.26	0.19	0.97
31072	D	0	23	0.13	0.14	0.93
31073	A	1	7	0.7	0.35	1.03
31073	B	0	9	0.23	0.33	1.44
31073	C	0	14	-0.1	0.22	0.94
31073	D	0	17	-0.24	0.18	0.74
31074	A	1	10	0.92	0.32	0.79
31074	B	0	7	0.29	0.14	1.09
31074	C	0	14	-0.17	0.22	0.87
31074	D	0	13	-0.81	0.5	0.66
31075	A	1	13	0.93	0.54	1.14
31075	B	0	32	-0.13	0.24	0.99
31075	C	0	0	0	0	0
31075	D	0	1	-3.01	0	0.04
31076	A	1	12	0.68	0.26	0.84
31076	B	0	11	-0.25	0.27	0.92
31076	C	0	3	-0.49	0.25	0.53
31076	D	0	15	-0.24	0.35	1.43
31077	A	1	22	0.37	0.21	1.31
31077	B	0	5	-0.46	0.28	0.6
31077	C	0	4	-0.55	0.38	0.58
31077	D	0	16	0.29	0.15	1.28
31078	A	1	10	0.91	0.33	0.95
31078	B	0	8	0.27	0.3	1.07
31078	C	0	3	0.05	0.18	0.68
31078	D	0	20	0.03	0.17	0.84
31079	A	1	11	0.45	0.44	1.94

31079	B	0	3	0.13	0.22	0.84
31079	C	0	3	-0.15	0.01	0.61
31079	D	0	24	-0.08	0.3	1.02
31080	A	1	6	0.11	0.39	1.79
31080	B	0	9	0.49	0.44	1.94
31080	C	0	5	0.56	0.18	1.26
31080	D	0	22	-0.26	0.22	0.86
31081	A	1	3	-0.13	0.39	2.48
31081	B	0	4	0.88	0.51	1.66
31081	C	0	7	0.38	0.45	1.36
31081	D	0	29	0.23	0.19	0.96
31082	A	1	13	0.78	0.28	1.16
31082	B	0	30	0.4	0.14	1.14
31082	C	0	5	-0.11	0.33	0.65
31082	D	0	4	-0.81	0.8	0.44
31083	A	1	8	1.24	0.31	0.68
31083	B	0	21	0.13	0.25	1.18
31083	C	0	8	-0.39	0.27	0.53
31083	D	0	9	-0.39	0.32	0.6
31084	A	1	11	0.9	0.34	0.92
31084	B	0	15	-0.1	0.15	0.81
31084	C	0	7	0.26	0.33	1.41
31084	D	0	8	-0.85	0.26	0.4
31085	A	1	13	1.17	0.31	0.74
31085	B	0	2	0.79	0.08	1.53
31085	C	0	11	-0.5	0.24	0.58
31085	D	0	17	-0.31	0.28	0.94
31086	A	1	23	0.45	0.24	1.59
31086	B	0	3	-0.72	1.18	0.99
31086	C	0	3	-0.65	0.71	0.72
31086	D	0	11	-0.16	0.23	1.01
31087	A	1	19	0.52	0.18	0.88
31087	B	0	9	-0.29	0.34	0.93
31087	C	0	4	-0.19	0.18	0.74
31087	D	0	10	-0.17	0.34	1.06
31088	A	1	22	0.7	0.16	0.83
31088	B	0	7	-0.02	0.26	0.95
31088	C	0	3	0.16	0.23	1
31088	D	0	11	-0.62	0.32	0.67
31089	A	1	14	0.87	0.28	0.82
31089	B	0	6	0.48	0.39	1.87
31089	C	0	10	-0.46	0.28	0.71
31089	D	0	14	-0.62	0.28	0.6
31090	A	1	30	0.5	0.16	0.82
31090	B	0	3	-1.17	0.29	0.35
31090	C	0	3	-0.25	0.36	0.93
31090	D	0	8	-0.69	0.21	0.61
31091	A	1	13	0.67	0.25	0.79
31091	B	0	4	-0.32	0.57	0.95
31091	C	0	10	-0.13	0.24	0.96
31091	D	0	17	-0.42	0.21	0.85
31092	A	1	20	0.59	0.21	1.01
31092	B	0	4	-0.13	0.21	0.8
31092	C	0	3	-0.33	0.48	0.74

31092	D	0	14	-0.27	0.2	0.86
31093	A	1	12	0.82	0.27	0.75
31093	B	0	4	-0.83	0.66	0.62
31093	C	0	9	0.02	0.21	0.95
31093	D	0	14	-0.33	0.21	0.79
31094	A	1	25	0.53	0.16	0.76
31094	B	0	2	-0.27	0.39	0.86
31094	C	0	4	-0.64	0.6	0.83
31094	D	0	11	-1.12	0.56	0.74
31095	A	1	18	0.92	0.49	1.35
31095	B	0	3	1.18	0.16	2.08
31095	C	0	9	0.29	0.33	1.24
31095	D	0	11	-0.56	0.23	0.49
31096	A	1	24	0.66	0.16	0.73
31096	B	0	1	0.1	0	1.01
31096	C	0	2	-1.49	0.49	0.23
31096	D	0	14	-0.44	0.15	0.7
31097	A	1	16	0.77	0.21	0.86
31097	B	0	6	-0.17	0.39	0.81
31097	C	0	9	-0.14	0.33	0.84
31097	D	0	12	-0.36	0.6	1.01
31098	A	1	19	0.88	0.26	0.87
31098	B	0	3	-0.72	0.23	0.4
31098	C	0	3	0.12	0.43	1.04
31098	D	0	18	-0.27	0.22	0.83
31099	A	1	9	0.28	0.29	1.31
31099	B	0	5	0.36	0.37	1.57
31099	C	0	8	0.07	0.24	1.06
31099	D	0	21	-0.24	0.25	0.99
31100	A	1	32	0.62	0.13	0.75
31100	B	0	3	0.06	0.11	0.99
31100	C	0	1	-0.11	0	0.82
31100	D	0	9	-1.03	0.31	0.48
31151	A	1	34	0.87	0.29	1.05
31151	B	0	5	0.08	0.27	1.01
31151	C	0	3	-0.36	0.29	0.59
31151	D	0	2	-0.32	0.37	0.6
31152	A	1	36	0.17	0.13	1.11
31152	B	0	1	-0.9	0	0.41
31152	C	0	10	-0.03	0.22	1.18
31152	D	0	2	0.35	0.24	1.48
31153	A	1	9	0.11	0.17	1.26
31153	B	0	18	0.12	0.21	1.35
31153	C	0	9	0.15	0.26	1.2
31153	D	0	6	-0.3	0.27	0.74
31154	A	1	22	0.52	0.21	1.08
31154	B	0	10	0.02	0.3	1.17
31154	C	0	9	0.18	0.29	1.27
31154	D	0	8	-0.43	0.43	0.76
31155	A	1	22	0.14	0.14	0.87
31155	B	0	4	0.1	0.21	1.5
31155	C	0	4	-0.55	0.32	0.84
31155	D	0	11	-1.43	0.59	0.71
31156	A	1	39	0.23	0.14	1.04

31156	B	0	4	0.01	0.26	1.2
31156	C	0	1	-0.5	0	0.65
31156	D	0	3	-0.4	0.63	1.09
31157	A	1	30	0.33	0.14	0.98
31157	B	0	10	0.18	0.27	1.55
31157	C	0	1	0.2	0	1.15
31157	D	0	3	-1.47	0.49	0.28
31158	A	1	34	0.43	0.25	0.98
31158	B	0	0	0	0	0
31158	C	0	4	-0.7	0.1	0.53
31158	D	0	1	1.04	0	2.98
31159	A	1	33	0.51	0.14	0.94
31159	B	0	9	-0.25	0.15	0.72
31159	C	0	0	0	0	0
31159	D	0	1	-0.78	0	0.39
31160	A	1	39	0.33	0.14	1
31160	B	0	1	-1	0	0.36
31160	C	0	3	0.24	0.72	2.14
31160	D	0	0	0	0	0
31161	A	1	10	0.32	0.36	1.37
31161	B	0	15	-0.19	0.29	1.15
31161	C	0	11	-0.51	0.47	1
31161	D	0	6	-0.36	0.24	0.72
31162	A	1	37	0.51	0.14	0.66
31162	B	0	1	-2.16	0	0.15
31162	C	0	1	-1.77	0	0.22
31162	D	0	2	-3.65	3.03	0.36
31163	A	1	31	0.46	0.16	1.08
31163	B	0	3	-0.18	0.51	0.92
31163	C	0	7	0.14	0.22	1.18
31163	D	0	4	-0.99	0.79	0.63
31164	A	1	25	0.33	0.19	0.99
31164	B	0	4	-0.38	0.49	0.87
31164	C	0	9	-0.07	0.26	1.12
31164	D	0	12	-0.31	0.32	1.1
31165	A	1	22	0.81	0.15	0.78
31165	B	0	2	-0.19	0.34	0.63
31165	C	0	5	0.74	0.37	1.93
31165	D	0	14	-0.55	0.24	0.56
31166	A	1	4	0.02	0.24	1.87
31166	B	0	8	0.93	0.29	1.85
31166	C	0	15	0.11	0.28	0.99
31166	D	0	18	-0.29	0.41	0.93
31167	A	1	25	0.4	0.12	0.8
31167	B	0	5	-0.19	0.2	0.9
31167	C	0	5	-1.04	0.57	0.55
31167	D	0	7	-0.42	0.2	0.74
31168	A	1	21	0.6	0.2	1
31168	B	0	6	-0.13	0.1	0.8
31168	C	0	3	0.36	0.87	2.64
31168	D	0	13	-0.71	0.29	0.64
31169	A	1	27	0.79	0.19	0.87
31169	B	0	2	0.03	0.41	0.89
31169	C	0	3	-0.6	0.77	0.68



31169	D	0	10	-0.37	0.25	0.75
31170	A	1	7	0.64	0.36	1.18
31170	B	0	17	0.16	0.17	1
31170	C	0	6	-0.27	0.48	0.97
31170	D	0	17	0.02	0.21	1.08
31171	A	1	9	0.18	0.22	1.8
31171	B	0	11	0.96	0.28	1.93
31171	C	0	6	0.56	0.7	3.46
31171	D	0	18	-0.02	0.19	0.77
31172	A	1	23	0.29	0.21	1.06
31172	B	0	2	-0.08	0.89	1.45
31172	C	0	4	-0.17	0.29	1.05
31172	D	0	12	-0.58	0.26	0.87
31173	A	1	19	0.82	0.16	0.8
31173	B	0	12	0.44	0.27	1.73
31173	C	0	9	-0.25	0.36	0.82
31173	D	0	8	-0.53	0.28	0.5
31174	A	1	28	0.57	0.16	0.77
31174	B	0	3	0.45	0.67	2.29
31174	C	0	7	-0.29	0.49	1.36
31174	D	0	5	-1.98	0.31	0.16
31175	A	1	10	0.47	0.18	0.82
31175	B	0	7	-0.04	0.31	1.07
31175	C	0	9	-0.56	0.53	1.42
31175	D	0	13	-0.41	0.45	0.94
31176	A	1	19	0.5	0.19	0.91
31176	B	0	2	-1.98	0.73	0.16
31176	C	0	8	-0.69	0.88	1.07
31176	D	0	12	-0.11	0.21	1.04
31177	A	1	32	0.31	0.25	1.08
31177	B	0	2	-1.01	0.05	0.39
31177	C	0	4	0.31	0.41	1.79
31177	D	0	4	-0.18	0.08	0.9
31178	A	1	25	0.29	0.16	0.81
31178	B	0	3	-0.46	0.27	0.81
31178	C	0	6	-0.73	0.56	1.28
31178	D	0	9	-0.73	0.27	0.75
31179	A	1	42	0.58	0.14	0.86
31179	B	0	0	0	0	0
31179	C	0	4	-0.34	0.44	0.91
31179	D	0	3	-1.46	0.23	0.23
31180	A	1	42	0.49	0.2	0.87
31180	B	0	4	0.12	0.53	2.01
31180	C	0	4	-1.55	0.55	0.35
31180	D	0	1	-2.02	0	0.16
31181	A	1	38	0.1	0.14	1.01
31181	B	0	2	-0.56	0.04	0.8
31181	C	0	2	-0.91	0.19	0.57
31181	D	0	5	-1.28	0.64	0.64
31182	A	1	32	0.68	0.25	0.81
31182	B	0	3	-0.6	0.79	0.97
31182	C	0	4	-1.04	0.34	0.47
31182	D	0	3	-1.47	0.78	0.41
31183	A	1	24	0.67	0.13	0.73

31183	B	0	11	-0.43	0.21	0.7
31183	C	0	8	-0.29	0.25	0.79
31183	D	0	3	-0.97	0.82	0.54
31184	A	1	30	0.42	0.14	0.89
31184	B	0	5	-0.66	0.23	0.57
31184	C	0	5	-0.08	0.84	3.34
31184	D	0	1	-0.78	0	0.45
31185	A	1	36	0.2	0.12	1.07
31185	B	0	4	0.73	0.34	2.38
31185	C	0	2	-0.5	0.55	0.67
31185	D	0	0	0	0	0
31186	A	1	38	-0.05	0.18	1.07
31186	B	0	1	-0.55	0	1.01
31186	C	0	1	-0.64	0	0.93
31186	D	0	0	0	0	0
31187	A	1	37	0.15	0.17	1.23
31187	B	0	0	0	0	0
31187	C	0	3	-0.83	0.51	0.85
31187	D	0	3	-1.9	0.41	0.27
31188	A	1	39	0.11	0.15	1.15
31188	B	0	1	-1.12	0	0.47
31188	C	0	1	-0.98	0	0.55
31188	D	0	0	0	0	0
31189	A	1	10	0.46	0.37	2.04
31189	B	0	10	0.55	0.26	1.43
31189	C	0	7	0.19	0.3	0.93
31189	D	0	15	0.17	0.2	0.93
31190	A	1	5	0.43	0.35	1.44
31190	B	0	9	0.11	0.35	1.06
31190	C	0	8	0.57	0.27	1.33
31190	D	0	23	0.13	0.19	1.08
31191	A	1	11	1.55	0.33	0.62
31191	B	0	4	0.3	0.43	0.97
31191	C	0	23	-0.02	0.18	0.76
31191	D	0	6	0.07	0.57	1.11
31192	A	1	10	0.88	0.32	0.81
31192	B	0	4	-0.14	0.75	1.33
31192	C	0	15	-0.25	0.17	0.78
31192	D	0	16	-0.38	0.21	0.8
31193	A	1	45	0.13	0.16	1.07
31193	B	0	0	0	0	0
31193	C	0	1	0.11	0	1.83
31193	D	0	0	0	0	0
31194	A	1	9	0.68	0.32	0.88
31194	B	0	3	-0.67	0.01	0.43
31194	C	0	7	-0.25	0.2	0.74
31194	D	0	20	-0.07	0.16	1
31195	A	1	15	0.99	0.41	1
31195	B	0	7	-0.08	0.37	1
31195	C	0	6	0.45	0.46	1.64
31195	D	0	10	-0.34	0.4	0.76
31196	A	1	34	0.41	0.16	1
31196	B	0	2	-0.17	0.28	0.9
31196	C	0	4	-0.38	0.53	1.12

31196	D	0	1	-1.41	0	0.25
31197	A	1	21	0.17	0.17	0.9
31197	B	0	10	-0.7	0.38	1.04
31197	C	0	5	-0.57	0.36	1.01
31197	D	0	7	-2.35	0.96	0.57
31198	A	1	37	0.31	0.16	0.94
31198	B	0	1	0.06	0	1.35
31198	C	0	2	-0.71	0.29	0.65
31198	D	0	3	-1.58	0.98	0.48
31200	A	1	41	0.12	0.16	1.1
31200	B	0	1	-1.81	0	0.24
31200	C	0	0	0	0	0
31200	D	0	2	-0.89	0.36	0.66
31201	A	1	42	0.21	0.12	0.83
31201	B	0	1	-1.04	0	0.46
31201	C	0	1	-0.99	0	0.48
31201	D	0	4	-1.4	0.36	0.39
31202	A	1	37	0.36	0.18	0.96
31202	B	0	3	-0.66	0.29	0.65
31202	C	0	0	0	0	0
31202	D	0	1	-1.33	0	0.3
31203	A	1	42	0.4	0.16	1.04
31203	B	0	0	0	0	0
31203	C	0	2	-0.41	0.35	0.77
31203	D	0	3	-0.65	0.61	0.79
31204	A	1	26	0.6	0.18	0.93
31204	B	0	3	-0.13	0.19	0.76
31204	C	0	15	-0.13	0.19	0.93
31204	D	0	4	-0.53	0.19	0.52
31205	A	1	25	0.43	0.21	1.16
31205	B	0	14	0.02	0.2	1.2
31205	C	0	0	0	0	0
31205	D	0	4	-1.14	0.41	0.38
31206	A	1	35	0.17	0.17	1.23
31206	B	0	2	-1.04	0.15	0.46
31206	C	0	6	-0.5	0.56	2.37
31206	D	0	2	-0.4	0.06	0.86
31208	A	1	30	0.33	0.17	1.01
31208	B	0	9	-0.09	0.47	1.85
31208	C	0	0	0	0	0
31208	D	0	4	-1.23	0.24	0.34
31209	A	1	21	0.56	0.18	0.95
31209	B	0	18	0.02	0.21	1.3
31209	C	0	2	-0.8	1.01	0.55
31209	D	0	6	-0.13	0.42	0.95
31210	A	1	32	0.48	0.16	1.04
31210	B	0	2	-0.8	0.39	0.52
31210	C	0	6	0.11	0.23	1.39
31210	D	0	6	-2.1	0.78	0.29
31212	A	1	35	0.25	0.11	0.91
31212	B	0	5	-0.12	0.51	1.36
31212	C	0	2	-1.24	0.24	0.32
31212	D	0	0	0	0	0
31213	A	1	32	0.22	0.15	0.94

31213	B	0	4	-0.03	0.22	1.2
31213	C	0	7	-0.58	0.43	0.97
31213	D	0	4	-0.93	0.78	0.8
31214	A	1	24	0.7	0.15	0.86
31214	B	0	6	0.27	0.43	1.56
31214	C	0	13	-0.05	0.14	0.81
31214	D	0	11	-0.28	0.25	0.83
31215	A	1	24	0.17	0.17	1.25
31215	B	0	3	0.35	0.39	1.54
31215	C	0	8	0.25	0.27	1.63
31215	D	0	9	-0.42	0.2	0.71
31216	A	1	22	0.77	0.34	1.27
31216	B	0	9	0.02	0.35	1.31
31216	C	0	12	-0.05	0.26	0.99
31216	D	0	14	-0.33	0.18	0.7
31217	A	1	34	0.11	0.15	0.96
31217	B	0	5	-0.64	0.7	1.3
31217	C	0	1	-0.45	0	0.82
31217	D	0	1	-0.04	0	1.22
31218	A	1	24	0.48	0.2	1.33
31218	B	0	5	-0.11	0.23	0.72
31218	C	0	8	0.26	0.24	1.15
31218	D	0	14	0.14	0.23	1.12
31219	A	1	15	0.62	0.19	0.85
31219	B	0	4	0.33	0.61	1.81
31219	C	0	9	-0.16	0.4	1.15
31219	D	0	14	-0.46	0.23	0.68
31220	A	1	11	0.96	0.64	1.26
31220	B	0	12	0.21	0.23	1.15
31220	C	0	15	0.2	0.17	1.09
31220	D	0	15	-0.49	0.21	0.6
31221	A	1	28	1.03	0.33	0.85
31221	B	0	6	0.05	0.34	1.04
31221	C	0	5	-0.56	0.42	0.57
31221	D	0	8	-0.34	0.43	0.9
31222	A	1	23	1.18	0.41	1.02
31222	B	0	7	0.1	0.27	0.91
31222	C	0	2	-0.23	1.15	0.91
31222	D	0	11	0.05	0.28	1.08
31223	A	1	14	0.39	0.22	1.19
31223	B	0	9	0.44	0.31	1.74
31223	C	0	6	0.09	0.26	0.97
31223	D	0	16	-0.19	0.23	0.87
31224	A	1	9	0.49	0.36	1.38
31224	B	0	8	-0.02	0.23	0.82
31224	C	0	10	0.28	0.24	1.17
31224	D	0	17	-0.11	0.3	1.17
31225	A	1	14	0.7	0.25	1.13
31225	B	0	14	0.31	0.28	1.44
31225	C	0	2	-0.03	0.05	0.62
31225	D	0	19	-0.02	0.21	0.92

Table 3: Form 1

1	30061	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-3.03
2	30817	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.14
3	30354	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.57
4	30519	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.04
5	30681	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.62
6	30362	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.52
7	30515	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.02
8	30527	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.22
9	30359	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.50
10	30978	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.59
11	30392	Number and Operations	Identify equivalent fractions using models including the number line.	0.80
12	30806	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.06
13	30968	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.22
14	30081	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.69
15	30078	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.91
16	30964	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.76

## Form 2

1	30215	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-3.01
2	30820	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.14
3	30370	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.56
4	30239	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1.02
5	30229	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.60
6	30808	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.52
7	30652	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.02
8	30242	Number and Operations	Identify equivalent fractions using models including the number line.	0.22
9	30971	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.50
10	30979	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.59
11	30846	Number and Operations	Identify equivalent fractions using models including the number line.	0.82
12	30245	Number and Operations	Identify equivalent fractions using models including the number line.	1.05
13	30956	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.23
14	30845	Number and Operations	Identify equivalent fractions using models including the number line.	1.67
15	30222	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.94
16	30203	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.76

## Form 3

1	30819	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.99
2	30070	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.16
3	30511	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.54
4	30837	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1.02
5	30824	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.54
6	30526	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.51
7	30374	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.02
8	30073	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.23
9	30809	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.50
10	30657	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.61
11	30353	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.84
12	30953	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.05
13	30992	Number and Operations	Identify equivalent fractions using models including the number line.	1.23
14	30987	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.66
15	30989	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.95
16	30088	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.77

## Form 4

1	30064	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.99
2	30067	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.16
3	30363	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.53
4	30516	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.02
5	30994	Number and Operations	Identify equivalent fractions using models including the number line.	2.53
6	30544	Number and Operations	Identify equivalent fractions using models including the number line.	-0.51
7	30672	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.03
8	30250	Number and Operations	Identify equivalent fractions using models including the number line.	0.23
9	30393	Number and Operations	Identify equivalent fractions using models including the number line.	0.49
10	30976	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.61
11	30530	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.86
12	30539	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.03
13	30683	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.23
14	30997	Number and Operations	Identify equivalent fractions using models including the number line.	1.61
15	30538	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.97
16	30058	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.77



## Form 5

1	30069	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.87
2	30216	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.23
3	30052	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.51
4	30517	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.01
5	30235	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.52
6	30369	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.50
7	30972	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.03
8	30394	Number and Operations	Identify equivalent fractions using models including the number line.	0.24
9	30802	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.48
10	30504	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.62
11	30960	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.86
12	30072	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.03
13	30684	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	1.27
14	30091	Number and Operations	Identify equivalent fractions using models including the number line.	1.58
15	30671	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.99
16	30667	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.78

## Form 6

1	30220	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.82
2	30514	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.23
3	30055	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-1.50
4	30674	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-1.00
5	30537	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.52
6	30807	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.50
7	30202	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.03
8	30850	Number and Operations	Identify equivalent fractions using models including the number line.	0.25
9	30376	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.47
10	30995	Number and Operations	Identify equivalent fractions using models including the number line.	0.63
11	30093	Number and Operations	Identify equivalent fractions using models including the number line.	0.87
12	30529	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.03
13	30958	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.28
14	30961	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.57
15	30522	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.00
16	30086	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.78

## Form 7

1	30818	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.80
2	30066	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.28
3	30512	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.49
4	30089	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1.00
5	30227	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.49
6	30833	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.49
7	30232	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.05
8	30230	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.25
9	30100	Number and Operations	Identify equivalent fractions using models including the number line.	0.45
10	30659	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.63
11	30804	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.88
12	30241	Number and Operations	Identify equivalent fractions using models including the number line.	1.02
13	30352	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.28
14	31000	Number and Operations	Identify equivalent fractions using models including the number line.	1.56
15	30085	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.01
16	30831	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.80

## Form 8

1	30218	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.78
2	30358	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-2.35
3	30520	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.46
4	30385	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.99
5	30380	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.47
6	30233	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.49
7	30801	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.06
8	30540	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	0.28
9	30246	Number and Operations	Identify equivalent fractions using models including the number line.	0.45
10	30954	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.64
11	30244	Number and Operations	Identify equivalent fractions using models including the number line.	0.90
12	30521	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	1.02
13	30998	Number and Operations	Identify equivalent fractions using models including the number line.	1.29
14	30957	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	1.55
15	30378	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.01
16	30207	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.82

## Form 9

1	30211	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.78
2	30213	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.36
3	30236	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-1.43
4	30840	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.99
5	30084	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.47
6	30209	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.47
7	30668	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.06
8	30830	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.29
9	30391	Number and Operations	Identify equivalent fractions using models including the number line.	0.45
10	30247	Number and Operations	Identify equivalent fractions using models including the number line.	0.67
11	30523	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.91
12	30506	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.99
13	30967	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.29
14	30400	Number and Operations	Identify equivalent fractions using models including the number line.	1.54
15	30981	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	2.05
16	30366	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-0.85

## Form 10

1	30518	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-2.48
2	30813	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.76
3	30361	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	-1.39
4	30201	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	-0.98
16	30525	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	-0.85
6	30387	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.47
7	30389	Number and Operations	Solve problems that involve comparing and ordering fractions by using models, benchmark fractions, or common numerators or denominators.	-0.06
15	30249	Number and Operations	Identify equivalent fractions using models including the number line.	0.06
8	30097	Number and Operations	Identify equivalent fractions using models including the number line.	0.42
9	30225	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	0.43
10	30810	Number and Operations	Represent common fractions (halves, thirds, fourths, eighths, tenths) as equal parts of a whole, parts of a set, or points or distances on a number line.	0.67
11	30663	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	0.92
12	30996	Number and Operations	Identify equivalent fractions using models including the number line.	1.29
13	30962	Number and Operations	Demonstrate that sizes of fractional parts are relative to the size of the whole.	1.51
14	30999	Number and Operations	Identify equivalent fractions using models including the number line.	2.05
5	30828	Number and Operations	Use fractions to represent numbers that are equal to, less than, or greater than one.	2.42

Table 4: Form 1

1	30403	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.61
2	30722	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.38
3	30560	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.96
4	30114	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.71
5	31190	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	2.61
6	30878	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.29
7	31045	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.07
8	30707	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.63
9	31028	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.25
10	30148	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.27
11	30735	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.42
12	30564	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.64
13	30298	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.81
14	31041	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.25
15	30442	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.45
16	31156	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.65

## Form 2

1	30267	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.51
2	30873	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.33
3	31198	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.06
4	31006	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.72
5	30293	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	2.41
6	31008	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.36
7	30556	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.07
8	31174	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.64
9	30572	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.23
10	30860	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.27
11	30856	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.43
12	30573	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.63
13	31173	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.81
14	31175	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	1.21
15	30294	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.46
16	31196	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.61



## Form 3

1	30401	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.52
2	30286	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.34
3	30884	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.05
4	30713	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.61
5	30895	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	2.24
6	31012	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.35
7	30585	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.07
8	30448	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.65
9	30554	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.22
10	31176	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.26
11	31154	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.44
12	30737	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.63
13	31195	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.82
14	30863	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.20
15	30857	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.46
16	30106	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.54

## Form 4

1	30705	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.54
2	31022	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.35
3	30436	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.02
4	30431	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.62
5	31170	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	2.11
6	30430	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.08
7	31184	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.00
8	30101	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.66
9	31016	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.22
10	30867	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.22
11	30407	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.46
12	30142	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.61
13	30299	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.89
14	30892	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.20
15	31192	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.46
16	30708	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.58

## Form 5

1	30597	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.56
2	30715	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.35
3	30435	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.99
4	30714	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.62
5	31023	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	2.07
6	31038	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.09
7	30432	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.00
8	30738	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.67
9	30144	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.22
10	31168	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.17
11	31165	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.29
12	30296	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.60
13	30449	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.89
14	30886	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	1.20
15	31048	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.51
16	30734	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.33

## Form 6

1	30595	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.56
2	30725	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-2.36
3	30730	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.97
4	30854	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.63
5	30891	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	2.03
6	30587	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.10
7	31021	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.00
8	30419	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.67
9	30141	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.21
10	30881	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.17
11	30405	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.48
12	31043	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.59
13	30899	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.90
14	30445	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.13
15	31153	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.51
16	30290	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.32

## Form 7

1	30287	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-2.57
2	31039	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.36
3	30429	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.97
4	30721	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.63
5	30880	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	1.90
6	30749	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.10
7	30593	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.99
8	31163	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.67
9	30418	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.20
10	30885	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.11
11	30576	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.48
12	30440	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.58
13	30853	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	0.91
14	31009	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.12
15	30586	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	1.55
16	30433	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.30

## Form 8

1	30254	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.59
2	30112	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.37
3	30258	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.97
4	30589	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.65
5	31050	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.77
6	30137	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.11
7	30557	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.99
8	30568	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.67
9	30147	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.19
10	30569	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.10
11	30446	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.49
12	30736	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.58
13	30443	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.94
14	30126	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	1.12
15	30893	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.60
16	30425	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.29

## Form 9

1	30553	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.60
2	30590	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.37
3	31158	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.97
4	30123	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-1.65
5	30859	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	1.77
6	30727	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.13
7	30437	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.98
8	30599	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-0.68
9	30414	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.18
10	31042	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.10
11	30883	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.50
12	30879	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.58
13	30567	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.94
14	31047	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.11
15	30894	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.66
16	31182	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-1.29

## Form 10

1	30111	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.50
2	30711	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-2.32
3	30598	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-2.06
4	30746	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	-1.60
5	31191	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.76
6	30109	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.14
7	31151	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-0.97
8	30434	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	-0.69
9	31020	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	-0.18
10	30747	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	0.09
11	31024	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	0.50
12	30733	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.57
13	31036	Geometry	Build, draw, and analyze two-dimensional shapes to understand attributes and properties of two-dimensional space.	0.94
14	30447	Geometry	Use attributes and properties of two-dimensional shapes to solve problems including applications involving congruence, symmetry, and perimeter.	1.09
15	31026	Geometry	Investigate, describe, and reason about decomposing, combining, and transforming polygons to make other polygons.	1.66
16	30108	Geometry	Identify, describe, compare, analyze, and classify two-dimensional shapes by their sides and angles.	-1.36



Table 5: Form 1

Item Order	Item #	Focal Point	Domain	Measure
1	30760	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-2.25
2	31064	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.79
3	30499	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.48
4	30308	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.16
5	30331	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.15
6	30946	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.23
7	30022	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.58
8	30945	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.75
9	30784	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.96
10	30929	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.14
11	30930	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.21
12	30349	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.35
13	30028	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.41
14	31066	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.6
15	30015	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.86
16	30614	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.15

## Form 2

1	30911	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-2.19
2	31090	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.8
3	30758	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.48
4	30493	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.16
5	30782	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.16
6	30762	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.23
7	30934	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.58
8	30788	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.75
9	30755	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.96
10	30162	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.13
11	31085	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.21
12	31071	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.35
13	30321	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.41
14	31078	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.6
15	30041	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.81
16	30348	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.15

## Form 3

1	30603	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-2.07
2	31100	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.82
3	30766	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.49
4	30311	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.17
5	30792	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	2.19
6	30608	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.23
7	30643	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.58
8	30048	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.7
9	30175	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.96
10	30759	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.13
11	30943	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.21
12	30903	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.31
13	31099	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.55
14	30197	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.62
15	30901	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.8
16	30327	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.08

## Form 4

1	30457	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-2.04
2	31059	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.82
3	30627	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.51
4	30161	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.18
5	30916	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	2.19
6	30151	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.24
7	30306	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.61
8	30008	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.7
9	30343	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.97
10	30475	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.12
11	30778	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.2
12	30798	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.31
13	30339	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.42
14	30779	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.62
15	30463	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.79
16	30316	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.08

## Form 5

1	30950	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-2.03
2	30635	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.83
3	30628	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.52
4	30915	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.19
5	30038	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	2.19
6	30155	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.26
7	30481	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.62
8	30933	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.7
9	30926	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.97
10	30632	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.11
11	30944	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.19
12	30910	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.32
13	30785	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.43
14	31082	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.64
15	30486	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.79
16	30607	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.09

## Form 6

1	30621	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-2
2	30014	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.86
3	30159	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.4
4	30152	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.2
5	30045	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	2.24
6	30303	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.27
7	31062	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.63
8	31095	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.71
9	30473	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.99
10	30925	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.11
11	30913	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.18
12	30032	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.33
13	30189	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.43
14	30790	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.64
15	31065	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.77
16	30637	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.09

## Form 7

1	30752	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.95
2	30314	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.88
3	30500	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.41
4	30198	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.14
5	30037	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	2.1
6	30631	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.28
7	30170	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.6
8	30625	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.71
9	31089	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.99
10	30193	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.11
11	30184	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.17
12	30332	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.34
13	30770	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.4
14	30775	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.64
15	30906	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.77
16	30495	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.1

## Form 8

1	30623	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-1.87
2	30922	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.88
3	31094	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.42
4	30616	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-0.14
5	30181	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.1
6	30186	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.2
7	30310	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.6
8	30797	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.71
9	31091	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1
10	30347	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.1
11	30482	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.17
12	30942	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.34
13	30488	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.4
14	30948	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.65
15	30937	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.76
16	30158	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	0.1



## Form 9

1	30604	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.83
2	30924	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.89
3	30496	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.47
4	30638	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.14
5	30469	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.11
6	31092	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.21
7	31070	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.61
8	30176	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.73
9	31093	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.01
10	31076	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.1
11	30455	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal "jumps" on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	1.16
12	31079	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.35
13	30031	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.4
14	30793	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.65
15	30329	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.75
16	30630	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.12

## Form 10

1	30756	Number and Operations and Algebra	Represent situations using models of multiplication and division (e.g., equal-sized groups, arrays, area models, and equal “jumps” on number lines for multiplication, as well as successive subtraction, partitioning, and sharing for division).	-1.76
2	30641	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.92
3	30629	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	-0.47
4	30640	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	-0.14
5	30931	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	2.14
6	30649	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.21
7	30498	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.6
8	30480	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	0.74
9	30492	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.02
10	30645	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	1.1
11	30923	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.16
12	30174	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.35
13	30772	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.4
14	30021	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.66
15	30024	Number and Operations and Algebra	Apply increasingly sophisticated strategies based on the number properties (e.g., commutative, associative, distributive, identity, and zero) to solve multiplication and division problems involving basic facts.	1.75
16	30494	Number and Operations and Algebra	Relate multiplication and division as inverse operations (e.g., the relationship between multiples and factors).	0.13

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