

Technical Report # 0919

**The Development of K-8 Progress Monitoring Measures in
Mathematics for Use with the 2% and General Education
Populations: Grade 1**

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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 grade 1. These measures, available as part of easyCBM™, an online progress monitoring assessment system, were developed in 2008 and administered to approximately 2800 students from schools across the United States in March through June of 2009 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 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 1

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 measured 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 5th 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 6,600 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 took place during the spring of 2009. 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 (2006) 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 (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. The results of these analyses are reported separately by grade, each in its own technical report.

First Grade

Of the Grade 1 items, 99 were over-fit (Mean Square Outfit < 0.50) while 80 were under-fit (Mean Square Outfit ranging from 1.51 to 9.90). Of the under-fit items, 63 were retained for use on the assessments because distractor analysis indicated the items were

functioning correctly. The remaining 17 were discarded. Table 1 presents the results of the Rasch analysis for the full set of Grade 1 items. Table 2 presents Distractor analysis results.

Discussion

We used the results of the Rasch analysis to select items from the item bank to use in the creation of 10 alternate forms of progress monitoring measures and 3 alternate form of benchmarking measures (with 16 items each) appropriate for use with students in Grade 1. Each of the alternate forms was of comparable difficulty, as determined by calculating the mean *measure* of the items on each form. The test forms for the Number and Operations focal point are presented in Table 3. The test forms for the Number, Operations, and Algebra focal point are presented in Table 4, and the test forms for the Geometry focal point are presented in Table 5. Alternate forms were then loaded to the easyCBM™ database for use as online mathematics assessments.

Table 1
Results of Rasch Item Analysis

ITEM	MEASURE	ERROR	OUT.MSQ	DISCRIM	Focal Point	Domain
10001	-1.59	0.78	0.52	1.05	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10002	-1.29	0.66	0.47	1.15	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10003	-0.98	0.63	0.55	1.14	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10004	-5.83	1.04	0.41	1.01	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10005	0.00	0.00	1.00	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10006	-1.45	0.67	0.37	1.28	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10007	-1.21	0.14	1.32	0.98	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10008	0.68	0.52	5.44	-0.86	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10009	0.42	0.52	2.37	0.17	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10010	0.08	0.60	0.46	1.36	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10011	-0.24	0.63	0.85	1.12	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10012	0.00	0.54	0.86	1.01	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10013	1.86	0.51	0.73	1.31	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10014	0.20	0.50	0.72	1.15	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10015	-0.32	0.57	1.03	0.99	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10016	-5.73	1.04	0.38	1.02	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10017	0.51	0.53	0.57	1.43	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10018	0.14	0.61	2.09	0.58	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10019	0.53	0.49	2.65	0.14	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10020	1.61	0.48	0.82	1.29	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10021	-0.31	0.55	0.73	1.16	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10022	0.28	0.53	0.76	1.22	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10023	-0.30	0.58	0.55	1.18	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10024	0.21	0.55	0.67	1.21	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10025	0.56	0.51	1.64	0.18	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10026	2.70	0.57	1.25	0.58	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10027	0.87	0.50	0.98	0.95	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10028	1.78	0.52	1.48	0.64	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10029	-0.45	0.63	0.58	1.20	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10030	2.29	0.48	1.62	0.19	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10031	0.67	0.55	1.21	0.81	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10032	0.64	0.51	0.88	1.04	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10033	0.80	0.49	0.54	1.65	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10034	0.44	0.51	0.88	1.04	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10035	0.91	0.50	0.62	1.47	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10036	1.75	0.50	0.68	1.35	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10037	0.99	0.51	0.96	0.95	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10038	0.23	0.50	1.16	0.59	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10039	0.57	0.10	0.79	1.19	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10040	0.28	0.50	0.98	0.83	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10041	-0.23	0.59	5.81	-0.42	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10042	-0.03	0.55	0.98	0.92	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10043	0.73	0.53	1.85	0.37	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10044	1.67	0.56	0.55	1.36	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10045	-0.16	0.66	0.73	1.05	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10046	1.99	0.51	2.57	0.45	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10047	1.86	0.52	1.18	0.86	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10048	0.55	0.49	0.74	1.47	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10049	0.81	0.50	0.70	1.32	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10050	3.05	0.57	0.62	1.20	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10051	-0.07	0.56	0.61	1.23	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10052	0.68	0.48	1.17	0.87	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10053	1.53	0.52	0.69	1.41	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10054	1.56	0.48	1.23	0.68	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts

10055	3.69	0.63	0.35	1.51	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10056	2.46	0.53	1.60	0.80	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10057	-0.05	0.53	0.52	1.54	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10058	0.38	0.50	1.65	0.24	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10059	0.15	0.63	0.37	1.41	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10060	0.49	0.50	0.58	1.38	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10061	0.77	0.49	0.92	0.97	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10062	0.16	0.51	0.81	1.10	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10063	-1.04	0.67	0.77	1.02	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10064	0.18	0.54	0.60	1.38	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10065	-1.48	0.65	1.32	0.88	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10066	0.52	0.52	1.00	0.90	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10067	2.28	0.49	0.96	0.86	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10068	2.46	0.53	0.74	1.22	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10069	0.08	0.56	0.53	1.50	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10070	1.97	0.56	1.31	0.98	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10071	-0.07	0.57	0.85	1.01	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts

10072	1.86	0.50	1.94	0.83	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10073	-0.33	0.61	0.44	1.37	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10074	0.93	0.51	0.86	1.17	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10075	-1.30	0.77	1.07	0.94	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10076	-0.22	0.59	0.96	1.09	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10077	-0.12	0.68	0.26	1.44	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10078	-1.59	0.95	2.40	0.91	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10079	-0.50	0.61	1.06	0.85	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10080	0.00	0.00	1.00	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10081	-1.12	0.69	1.03	0.85	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10082	-1.91	0.82	0.61	1.06	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10083	-1.05	0.66	1.28	0.86	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10084	-1.29	0.77	0.88	0.99	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10085	2.43	0.50	0.80	1.16	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10086	1.85	0.47	1.16	0.71	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10087	0.97	0.53	0.88	1.01	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10088	-0.17	0.54	2.37	0.55	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10089	-1.73	0.79	0.35	1.13	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10090	1.40	0.51	1.21	0.72	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10091	0.89	0.52	0.52	1.72	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10092	0.53	0.50	1.35	0.65	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10093	1.76	0.51	1.28	0.88	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10094	1.39	0.10	1.07	0.94	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10095	-0.26	0.70	0.28	1.35	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10096	-0.44	0.57	0.71	1.21	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10097	0.50	0.52	0.79	1.12	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10098	0.07	0.53	0.80	1.19	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10099	-0.88	0.65	0.46	1.20	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10100	0.44	0.58	1.12	0.48	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10101	0.38	0.51	0.72	1.37	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10102	1.28	0.54	1.15	0.89	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10103	-0.26	0.51	1.00	1.00	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10104	0.82	0.47	0.97	0.99	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10105	0.55	0.52	0.65	1.37	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10106	-0.42	0.63	0.29	1.41	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10107	0.56	0.53	0.44	1.42	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10108	0.24	0.57	0.56	1.29	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10109	-0.40	0.67	1.04	0.89	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10110	0.03	0.50	1.15	0.70	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10111	-0.62	0.60	0.37	1.47	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10112	1.95	0.50	0.55	1.39	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10113	0.52	0.51	0.74	1.31	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10114	0.35	0.49	1.50	0.52	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10115	0.19	0.52	0.88	1.04	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10116	0.28	0.51	0.72	1.22	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10117	1.77	0.47	1.01	0.88	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10118	0.31	0.52	2.98	-0.05	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10119	4.10	0.71	0.31	1.39	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10120	0.76	0.50	1.20	0.65	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10121	1.60	0.52	1.16	1.07	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10122	1.16	0.49	0.87	1.03	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10123	1.39	0.47	0.81	1.25	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10124	-0.07	0.60	0.58	1.16	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts

10125	0.87	0.50	1.17	0.94	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10126	0.96	0.51	0.70	1.23	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10127	0.51	0.52	1.25	0.57	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10128	2.48	0.56	0.66	1.25	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10129	0.95	0.47	0.91	1.09	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10130	1.22	0.52	0.48	1.73	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10131	1.48	0.49	1.54	0.10	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10132	1.46	0.48	1.40	0.32	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10133	1.29	0.50	1.49	0.46	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10134	0.34	0.54	0.91	1.00	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10135	0.85	0.50	0.55	1.42	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10136	0.74	0.50	1.62	0.30	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10137	1.61	0.51	0.89	1.00	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10138	0.39	0.53	0.56	1.32	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10139	-0.11	0.58	0.59	1.30	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10140	1.63	0.49	0.60	1.64	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10141	0.81	0.53	0.57	1.46	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10142	-1.13	0.86	0.69	0.90	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10143	0.05	0.56	0.57	1.29	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10144	0.00	0.00	1.00	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10145	-1.76	0.79	0.43	1.16	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10146	-1.49	0.81	0.28	1.19	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10147	-5.91	1.04	0.20	1.03	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10148	-0.27	0.61	0.68	1.11	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10149	0.16	0.55	0.58	1.27	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10150	0.97	0.57	0.92	1.03	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10151	3.10	0.57	1.76	0.98	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10152	1.88	0.48	1.34	0.64	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10153	2.60	0.60	2.18	0.08	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10154	2.32	0.54	2.65	-0.48	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10155	1.72	0.50	0.49	1.72	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10156	2.45	0.56	2.03	-0.28	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10157	1.91	0.46	1.88	0.08	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10158	2.56	0.53	1.61	0.66	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10159	1.77	0.52	1.05	0.74	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10160	1.72	0.45	2.14	-0.51	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10161	-1.16	0.78	0.40	1.12	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10162	-0.10	0.52	0.74	1.30	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10163	-0.41	0.60	1.10	0.83	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10164	-0.14	0.55	0.88	1.24	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10165	0.82	0.49	0.87	1.05	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10166	1.30	0.52	0.91	1.05	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10167	1.28	0.52	1.15	1.11	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10168	1.57	0.48	1.17	0.64	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10169	0.81	0.51	1.30	0.78	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10170	3.26	0.59	1.35	0.67	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10171	1.10	0.51	0.94	0.95	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10172	2.12	0.51	1.48	0.43	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10173	2.25	0.55	0.83	1.12	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10174	1.09	0.47	1.52	0.74	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10175	1.11	0.48	1.14	0.57	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10176	1.57	0.51	0.84	1.08	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10177	3.65	0.60	7.76	0.18	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10178	3.07	0.54	1.96	0.58	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10179	0.17	0.60	0.48	1.30	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10180	-1.13	0.80	0.38	1.11	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10181	1.23	0.48	1.11	0.82	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10182	0.53	0.51	0.72	1.31	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10183	0.46	0.53	0.76	1.18	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10184	0.79	0.49	1.30	0.39	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10185	0.06	0.53	1.25	1.26	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10186	1.69	0.53	1.19	0.76	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10187	2.03	0.53	2.04	0.30	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10188	1.86	0.53	0.94	1.13	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10189	2.19	0.52	0.95	1.34	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10190	2.17	0.49	0.76	1.22	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10191	1.55	0.50	0.50	1.40	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10192	2.73	0.52	0.69	1.29	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
10193	0.19	0.50	0.55	1.49	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10194	1.26	0.53	0.93	1.06	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10195	0.20	0.54	1.02	1.10	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10196	0.14	0.58	0.57	1.22	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10197	-0.55	0.63	1.09	0.85	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10198	1.17	0.50	0.80	1.12	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10199	0.78	0.47	0.99	0.91	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10200	0.75	0.56	0.32	1.45	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10201	-0.90	0.59	0.97	1.03	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10202	-5.93	1.07	0.38	1.01	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10203	-1.84	0.83	0.21	1.26	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10204	1.42	0.54	1.05	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10205	-5.93	1.09	0.11	1.04	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10206	0.46	0.50	1.23	0.85	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10207	1.69	0.47	0.87	1.17	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10208	-0.20	0.53	0.65	1.17	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10209	-1.35	0.66	1.11	0.80	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10210	-0.08	0.60	0.59	1.20	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10211	-1.01	0.69	0.85	0.91	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10212	0.23	0.57	1.44	0.61	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10213	-0.41	0.63	0.63	1.18	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10214	-1.70	0.79	0.41	1.11	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10215	-1.62	0.79	1.16	0.89	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10216	0.16	0.51	0.90	0.96	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10217	0.92	0.49	1.37	0.59	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10218	0.17	0.60	0.80	1.08	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10219	-0.17	0.53	1.92	0.69	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10220	-1.03	0.69	0.48	1.16	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10221	-1.81	0.83	2.43	0.85	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10222	0.60	0.51	0.61	1.55	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10223	0.11	0.52	0.57	1.36	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10224	0.33	0.52	1.06	0.74	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10225	1.97	0.51	0.50	1.31	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10226	1.05	0.50	0.62	1.35	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10227	1.14	0.53	0.66	1.25	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10228	1.87	0.47	0.64	1.42	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10229	0.88	0.50	0.63	1.22	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10230	1.20	0.50	0.57	1.45	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10231	-1.22	0.68	1.08	0.85	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10232	0.72	0.53	0.99	0.87	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10233	1.22	0.49	0.59	1.52	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10234	1.13	0.49	0.47	1.72	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10235	0.36	0.51	0.87	1.08	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10236	1.46	0.54	0.49	1.50	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10237	1.36	0.50	0.87	1.14	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10238	-0.67	0.67	0.77	1.04	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10239	1.11	0.56	1.30	0.86	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10240	0.39	0.54	1.66	0.48	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10241	0.71	0.56	0.97	0.97	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10242	0.05	0.55	1.14	0.99	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10243	0.49	0.49	0.57	1.39	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10244	0.90	0.50	0.84	1.06	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10245	1.76	0.51	0.59	1.47	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10246	-0.24	0.65	0.52	1.34	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10247	0.96	0.51	0.80	1.17	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10248	0.85	0.54	1.54	0.56	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10249	-0.32	0.63	1.00	0.85	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10250	0.42	0.56	1.03	1.16	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10251	0.45	0.50	0.69	1.35	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10252	0.07	0.53	0.83	1.12	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10253	-0.83	0.60	0.49	1.30	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10254	-0.25	0.58	0.63	1.21	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10255	-0.21	0.64	1.40	0.86	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10256	-1.06	0.61	1.25	0.69	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10257	0.04	0.60	0.40	1.42	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10258	-6.32	1.06	0.32	1.02	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10259	-0.12	0.55	0.41	1.48	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10260	0.09	0.58	0.46	1.34	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10261	0.48	0.49	0.96	0.94	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10262	-1.03	0.69	0.36	1.31	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10263	-1.69	0.78	0.34	1.18	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10264	-0.42	0.63	0.31	1.40	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10265	1.22	0.46	0.78	1.40	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10266	1.35	0.48	0.60	1.43	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10267	0.14	0.60	0.44	1.27	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10268	0.92	0.53	0.70	1.32	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10269	-0.03	0.55	0.44	1.58	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10270	0.30	0.50	0.60	1.55	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10271	-0.39	0.53	0.70	1.14	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10272	-1.41	0.75	0.32	1.22	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10273	-0.52	0.67	1.14	0.91	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10274	0.00	0.00	1.00	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10275	0.00	0.00	1.00	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10276	-0.16	0.63	0.40	1.35	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10277	-0.10	0.53	0.87	1.13	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10278	0.62	0.53	0.91	1.07	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10279	1.30	0.49	1.10	0.78	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10280	0.16	0.63	0.35	1.38	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10281	2.52	0.48	0.77	1.19	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10282	-0.21	0.54	1.77	0.67	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10283	-1.45	0.84	0.46	1.12	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10284	1.07	0.55	0.63	1.29	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10285	0.55	0.50	1.16	0.73	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10286	1.03	0.49	0.69	1.36	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10287	1.29	0.48	0.82	1.19	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10288	2.09	0.47	0.91	1.11	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10289	1.31	0.49	0.66	1.29	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10290	1.48	0.47	1.03	0.95	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10291	1.20	0.53	0.77	1.13	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10292	-0.16	0.56	1.58	0.62	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10293	0.00	0.00	1.00	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10294	0.00	0.00	1.00	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10295	-1.24	0.77	0.63	1.02	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10296	0.00	0.00	1.00	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10297	-1.21	0.79	1.05	0.77	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10298	0.22	0.56	0.93	0.86	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10299	-2.76	0.83	0.22	1.27	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10300	-1.49	0.81	0.23	1.24	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10301	-6.18	1.06	0.77	0.99	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10302	-0.38	0.60	0.54	1.20	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10303	0.07	0.51	1.00	0.97	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10304	-1.73	0.83	1.13	0.80	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10305	-0.32	0.64	0.27	1.47	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10306	-5.83	1.04	0.30	1.02	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10307	-1.03	0.62	0.50	1.26	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10308	-1.22	0.66	0.60	1.12	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10309	-1.14	0.68	0.45	1.27	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10310	-0.99	0.72	1.33	0.94	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10311	-1.56	0.79	9.90	-0.03	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10312	-1.38	0.77	0.20	1.34	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10313	-0.13	0.62	1.09	0.90	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10314	1.69	0.50	1.47	0.14	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10315	0.96	0.58	1.10	0.79	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10316	1.00	0.51	0.88	1.20	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10317	1.28	0.51	0.83	1.20	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10318	0.50	0.56	0.63	1.24	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10319	2.33	0.50	0.84	1.10	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10320	1.56	0.52	0.89	1.35	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10321	0.81	0.53	0.40	1.53	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10322	-0.21	0.53	0.73	1.20	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10323	-0.11	0.56	0.72	1.21	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10324	0.32	0.52	0.81	1.12	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10325	1.42	0.50	0.70	1.29	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10326	0.05	0.51	0.87	1.03	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10327	0.31	0.55	2.89	-0.13	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10328	0.47	0.53	0.89	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10329	0.51	0.50	0.69	1.44	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10330	0.22	0.51	0.39	1.51	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10331	-1.23	0.66	0.72	1.04	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10332	0.68	0.54	0.78	1.06	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10333	0.33	0.57	0.77	1.15	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10334	-1.61	0.78	1.08	0.90	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10335	-5.40	1.07	0.13	1.04	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10336	-0.91	0.66	0.84	0.93	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10337	-0.28	0.56	1.00	0.92	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10338	-5.33	1.04	0.41	1.01	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10339	-1.28	0.69	0.45	1.14	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10340	-5.91	1.06	0.28	1.02	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10341	0.60	0.56	0.67	1.16	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10342	-0.77	0.62	0.55	1.13	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10343	-1.57	0.73	0.38	1.21	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10344	-0.72	0.57	0.49	1.39	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10345	-0.53	0.68	0.67	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10346	-1.71	0.79	0.91	0.94	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10347	-0.56	0.63	0.59	1.20	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10348	-0.93	0.63	0.60	1.11	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10349	-1.07	0.61	0.71	0.95	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10350	-1.86	0.78	0.38	1.14	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10351	-1.96	0.76	0.68	1.03	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10352	-1.97	0.78	0.34	1.17	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10353	-1.61	0.81	1.11	0.87	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10354	-0.08	0.54	0.52	1.38	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10355	-0.15	0.61	2.37	0.56	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10356	-0.87	0.62	0.88	0.95	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10357	0.27	0.60	0.37	1.37	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10358	0.78	0.49	0.45	1.82	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10359	0.36	0.55	0.50	1.44	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10360	1.42	0.52	0.92	1.07	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10361	-0.09	0.55	0.73	1.09	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10362	0.16	0.60	0.46	1.22	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10363	-0.82	0.67	0.98	0.97	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10364	0.07	0.55	0.70	1.25	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10365	0.08	0.52	0.63	1.25	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10366	-0.40	0.62	2.07	0.79	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10367	0.08	0.51	0.67	1.47	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10368	2.75	0.54	0.63	1.22	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10369	-0.78	0.66	1.78	0.73	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10370	1.43	0.49	0.64	1.35	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10371	2.18	0.53	1.29	0.89	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10372	-0.14	0.61	1.28	0.58	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10373	-1.01	0.66	0.30	1.36	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10374	0.30	0.56	0.84	1.07	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10375	-0.78	0.62	1.19	0.90	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10376	-0.18	0.54	0.46	1.44	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10377	-0.39	0.58	0.77	1.09	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10378	-0.13	0.57	0.78	1.13	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10379	-0.47	0.58	0.24	1.63	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10380	-0.34	0.62	1.22	0.64	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10381	0.82	0.54	0.97	1.05	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10382	0.79	0.49	0.49	1.99	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10383	1.17	0.47	0.99	0.85	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10384	0.98	0.50	0.59	1.53	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10385	1.17	0.51	0.52	1.41	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10386	1.48	0.48	0.91	1.05	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10387	-0.01	0.51	0.66	1.29	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10388	-0.60	0.61	1.09	0.86	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10389	0.60	0.52	0.64	1.42	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10390	0.33	0.51	0.75	1.18	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10391	1.08	0.49	1.25	0.62	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10392	0.09	0.49	1.03	0.96	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10393	1.63	0.52	1.14	0.64	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10394	-0.83	0.71	0.25	1.37	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10395	-1.18	0.64	0.37	1.28	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10396	-0.84	0.72	0.32	1.26	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10397	0.36	0.52	0.89	1.16	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10398	0.18	0.58	2.48	0.55	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

10399	-0.13	0.59	0.47	1.32	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10400	-0.97	0.65	1.65	0.87	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
10401	-6.22	1.04	8.62	0.85	Geometry	Composing and decomposing geometric shapes
10402	-0.44	0.59	1.68	0.66	Geometry	Composing and decomposing geometric shapes
10403	-0.33	0.57	0.66	1.17	Geometry	Composing and decomposing geometric shapes
10404	0.98	0.52	1.24	0.56	Geometry	Composing and decomposing geometric shapes
10405	4.73	0.80	2.44	0.52	Geometry	Composing and decomposing geometric shapes
10406	2.48	0.52	4.46	-1.38	Geometry	Composing and decomposing geometric shapes
10407	0.00	0.00	1.00	1.00	Geometry	Composing and decomposing geometric shapes
10408	-5.91	1.08	1.24	0.97	Geometry	Composing and decomposing geometric shapes
10409	-1.60	0.79	0.27	1.20	Geometry	Composing and decomposing geometric shapes
10410	1.89	0.62	0.72	1.13	Geometry	Composing and decomposing geometric shapes
10411	2.56	0.49	0.73	1.46	Geometry	Composing and decomposing geometric shapes
10412	0.52	0.52	1.94	0.30	Geometry	Composing and decomposing geometric shapes
10413	0.77	0.51	0.94	1.03	Geometry	Composing and decomposing geometric shapes
10414	-0.35	0.57	1.09	0.76	Geometry	Composing and decomposing geometric shapes
10415	0.62	0.52	0.79	1.10	Geometry	Composing and decomposing geometric shapes
10416	-0.97	0.68	1.28	0.79	Geometry	Composing and decomposing geometric shapes
10417	0.49	0.54	2.61	0.39	Geometry	Composing and decomposing geometric shapes
10418	-5.94	1.05	0.19	1.03	Geometry	Composing and decomposing geometric shapes
10419	-1.91	0.78	3.79	0.77	Geometry	Composing and decomposing geometric shapes
10420	2.26	0.57	1.18	0.97	Geometry	Composing and decomposing geometric shapes
10421	-1.61	0.80	0.41	1.17	Geometry	Composing and decomposing geometric shapes
10422	-1.60	0.76	1.20	0.90	Geometry	Composing and decomposing geometric shapes
10423	0.05	0.58	0.57	1.27	Geometry	Composing and decomposing geometric shapes
10424	-0.01	0.54	0.55	1.34	Geometry	Composing and decomposing geometric shapes
10425	-0.13	0.54	0.79	1.13	Geometry	Composing and decomposing geometric shapes
10426	1.15	0.52	0.78	1.14	Geometry	Composing and decomposing geometric shapes

10427	0.97	0.47	0.96	1.05	Geometry	Composing and decomposing geometric shapes
10428	0.81	0.45	1.31	0.20	Geometry	Composing and decomposing geometric shapes
10429	-1.52	0.82	5.35	0.63	Geometry	Composing and decomposing geometric shapes
10430	-5.80	1.06	0.65	1.00	Geometry	Composing and decomposing geometric shapes
10431	-5.84	1.06	1.09	0.98	Geometry	Composing and decomposing geometric shapes
10432	-0.33	0.56	0.68	1.21	Geometry	Composing and decomposing geometric shapes
10433	1.72	0.56	1.80	0.34	Geometry	Composing and decomposing geometric shapes
10434	0.70	0.51	1.14	0.97	Geometry	Composing and decomposing geometric shapes
10435	2.66	0.49	1.25	0.76	Geometry	Composing and decomposing geometric shapes
10436	1.24	0.50	0.91	1.12	Geometry	Composing and decomposing geometric shapes
10437	-1.16	0.64	0.51	1.19	Geometry	Composing and decomposing geometric shapes
10438	-1.70	0.78	0.26	1.20	Geometry	Composing and decomposing geometric shapes
10439	0.08	0.49	0.89	1.06	Geometry	Composing and decomposing geometric shapes
10440	0.10	0.53	0.80	0.99	Geometry	Composing and decomposing geometric shapes
10441	-0.54	0.71	1.79	0.69	Geometry	Composing and decomposing geometric shapes
10442	1.46	0.54	1.31	0.69	Geometry	Composing and decomposing geometric shapes
10443	1.95	0.51	0.94	1.01	Geometry	Composing and decomposing geometric shapes
10444	0.31	0.50	0.74	1.33	Geometry	Composing and decomposing geometric shapes
10445	-0.72	0.67	2.52	0.79	Geometry	Composing and decomposing geometric shapes
10446	-0.16	0.63	0.41	1.36	Geometry	Composing and decomposing geometric shapes
10447	1.53	0.54	0.64	1.31	Geometry	Composing and decomposing geometric shapes
10448	-0.37	0.67	0.48	1.20	Geometry	Composing and decomposing geometric shapes
10449	0.71	0.52	1.17	0.71	Geometry	Composing and decomposing geometric shapes
10450	0.02	0.59	0.64	1.15	Geometry	Composing and decomposing geometric shapes
30006	2.03	0.55	1.79	0.54	Geometry	Composing and decomposing geometric shapes
30011	1.32	0.48	1.26	0.23	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
30104	2.18	0.63	1.67	-0.31	Geometry	Composing and decomposing geometric shapes
30105	0.34	0.52	0.93	1.21	Geometry	Composing and decomposing geometric shapes

30106	-2.07	0.94	0.10	1.37	Geometry	Composing and decomposing geometric shapes
30108	-0.69	0.71	0.85	1.05	Geometry	Composing and decomposing geometric shapes
30110	-1.52	0.77	0.50	1.11	Geometry	Composing and decomposing geometric shapes
30111	-0.67	0.68	0.55	1.15	Geometry	Composing and decomposing geometric shapes
30112	-0.72	0.68	0.54	1.19	Geometry	Composing and decomposing geometric shapes
30114	0.57	0.58	0.81	1.04	Geometry	Composing and decomposing geometric shapes
30115	0.00	0.00	1.00	1.00	Geometry	Composing and decomposing geometric shapes
30116	-0.85	0.79	1.55	0.78	Geometry	Composing and decomposing geometric shapes
30117	-0.18	0.52	0.98	0.75	Geometry	Composing and decomposing geometric shapes
30118	-0.26	0.61	0.55	1.36	Geometry	Composing and decomposing geometric shapes
30123	0.44	0.55	1.65	0.24	Geometry	Composing and decomposing geometric shapes
30124	0.07	0.65	0.98	0.94	Geometry	Composing and decomposing geometric shapes
30125	-1.77	0.78	0.82	0.96	Geometry	Composing and decomposing geometric shapes
30126	3.04	0.60	0.55	1.27	Geometry	Composing and decomposing geometric shapes
30129	1.77	0.54	1.54	0.47	Geometry	Composing and decomposing geometric shapes
30134	0.00	0.00	1.00	1.00	Geometry	Composing and decomposing geometric shapes
30135	-6.26	1.04	1.08	0.99	Geometry	Composing and decomposing geometric shapes
30148	0.40	0.71	1.37	0.75	Geometry	Composing and decomposing geometric shapes
30149	1.98	0.46	0.71	1.09	Geometry	Composing and decomposing geometric shapes
30251	-5.59	1.07	0.20	1.03	Geometry	Composing and decomposing geometric shapes
30253	0.00	0.00	1.00	1.00	Geometry	Composing and decomposing geometric shapes
30256	-0.71	0.52	0.47	1.39	Geometry	Composing and decomposing geometric shapes
30257	0.55	0.61	1.04	0.88	Geometry	Composing and decomposing geometric shapes
30258	0.17	0.56	0.82	0.99	Geometry	Composing and decomposing geometric shapes
30259	-0.67	0.56	0.50	1.31	Geometry	Composing and decomposing geometric shapes
30261	-2.14	0.85	0.25	1.21	Geometry	Composing and decomposing geometric shapes
30265	-5.50	1.08	0.63	1.00	Geometry	Composing and decomposing geometric shapes
30266	-0.41	0.61	0.70	1.09	Geometry	Composing and decomposing geometric shapes
30267	0.00	0.00	1.00	1.00	Geometry	Composing and decomposing geometric shapes
30268	-1.01	0.71	0.91	0.89	Geometry	Composing and decomposing geometric shapes

30269	-0.67	0.64	1.10	0.77	Geometry	Composing and decomposing geometric shapes
30271	-6.35	1.05	0.23	1.02	Geometry	Composing and decomposing geometric shapes
30275	2.33	0.10	1.16	0.94	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
30308	0.92	0.10	0.95	1.06	Number and Operations and Algebra	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
30401	-0.11	0.70	1.56	0.87	Geometry	Composing and decomposing geometric shapes
30402	-1.79	0.77	2.83	0.81	Geometry	Composing and decomposing geometric shapes
30403	-5.68	1.05	0.37	1.02	Geometry	Composing and decomposing geometric shapes
30404	-1.67	0.76	0.34	1.12	Geometry	Composing and decomposing geometric shapes
30405	0.95	0.57	1.28	0.79	Geometry	Composing and decomposing geometric shapes
30406	-0.30	0.52	0.70	1.07	Geometry	Composing and decomposing geometric shapes
30410	-0.07	0.71	1.15	0.99	Geometry	Composing and decomposing geometric shapes
30413	0.38	0.52	1.09	0.81	Geometry	Composing and decomposing geometric shapes
30416	-0.47	0.48	0.86	0.94	Geometry	Composing and decomposing geometric shapes
30417	1.35	0.48	1.00	0.70	Geometry	Composing and decomposing geometric shapes
30419	-0.46	0.63	0.26	1.42	Geometry	Composing and decomposing geometric shapes
30421	-0.64	0.61	0.52	1.28	Geometry	Composing and decomposing geometric shapes
30422	-0.18	0.52	1.84	0.45	Geometry	Composing and decomposing geometric shapes
30424	0.52	0.41	1.12	0.89	Geometry	Composing and decomposing geometric shapes
30457	-0.78	0.65	1.07	0.87	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30458	-0.84	0.67	1.61	0.49	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30459	2.28	0.49	0.65	1.44	Geometry	Composing and decomposing geometric shapes
30511	-0.41	0.62	0.96	0.98	Geometry	Composing and decomposing geometric shapes
30512	-0.75	0.68	0.55	1.23	Geometry	Composing and decomposing geometric shapes
30513	0.27	0.60	1.35	0.33	Geometry	Composing and decomposing geometric shapes
30514	-0.58	0.62	1.73	0.59	Geometry	Composing and decomposing geometric shapes
30515	0.19	0.55	1.18	0.61	Geometry	Composing and decomposing geometric shapes
30517	0.83	0.58	1.77	0.44	Geometry	Composing and decomposing geometric shapes
30518	-1.37	0.57	0.90	1.01	Geometry	Composing and decomposing geometric shapes

30519	1.23	0.65	0.67	1.22	Geometry	Composing and decomposing geometric shapes
30520	-0.15	0.54	1.40	0.31	Geometry	Composing and decomposing geometric shapes
30555	0.73	0.58	1.49	0.18	Geometry	Composing and decomposing geometric shapes
30557	-0.27	0.60	0.82	1.14	Geometry	Composing and decomposing geometric shapes
30559	-5.24	1.07	3.57	0.95	Geometry	Composing and decomposing geometric shapes
30560	-1.04	0.67	0.64	1.05	Geometry	Composing and decomposing geometric shapes
30561	1.05	0.48	0.57	1.82	Geometry	Composing and decomposing geometric shapes
30564	1.01	0.63	1.35	0.65	Geometry	Composing and decomposing geometric shapes
30579	0.34	0.55	1.10	0.61	Geometry	Composing and decomposing geometric shapes
30583	-0.64	0.67	0.58	1.14	Geometry	Composing and decomposing geometric shapes
30589	-0.59	0.53	1.48	0.71	Geometry	Composing and decomposing geometric shapes
30590	0.00	0.00	1.00	1.00	Geometry	Composing and decomposing geometric shapes
30591	-0.81	0.79	0.50	1.09	Geometry	Composing and decomposing geometric shapes
30594	-5.78	1.07	0.23	1.03	Geometry	Composing and decomposing geometric shapes
30595	-1.29	0.68	0.83	0.92	Geometry	Composing and decomposing geometric shapes
30598	-0.64	0.69	2.53	0.61	Geometry	Composing and decomposing geometric shapes
30600	0.19	0.59	0.98	1.11	Geometry	Composing and decomposing geometric shapes
30601	-0.05	0.51	0.99	1.25	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30602	0.96	0.48	0.81	1.44	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30605	2.08	0.49	0.93	1.09	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30606	1.14	0.60	0.82	1.17	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30608	1.33	0.52	0.81	1.21	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30609	1.15	0.52	0.73	1.22	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30613	0.18	0.61	2.55	0.39	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30618	1.71	0.53	0.80	1.42	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

30619	1.55	0.54	0.86	1.08	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30701	-1.25	0.66	0.44	1.24	Geometry	Composing and decomposing geometric shapes
30702	0.00	0.00	1.00	1.00	Geometry	Composing and decomposing geometric shapes
30703	-5.36	1.11	2.16	0.95	Geometry	Composing and decomposing geometric shapes
30705	-5.91	1.07	0.42	1.02	Geometry	Composing and decomposing geometric shapes
30706	-5.07	1.44	0.06	1.07	Geometry	Composing and decomposing geometric shapes
30707	0.38	0.60	0.63	1.14	Geometry	Composing and decomposing geometric shapes
30708	-0.97	0.67	1.08	0.82	Geometry	Composing and decomposing geometric shapes
30709	-0.68	0.69	1.04	0.92	Geometry	Composing and decomposing geometric shapes
30710	0.07	0.45	1.53	0.40	Geometry	Composing and decomposing geometric shapes
30711	-5.47	1.08	0.29	1.02	Geometry	Composing and decomposing geometric shapes
30715	-0.86	0.55	0.68	1.02	Geometry	Composing and decomposing geometric shapes
30716	-6.11	1.04	1.90	0.97	Geometry	Composing and decomposing geometric shapes
30717	0.00	0.00	1.00	1.00	Geometry	Composing and decomposing geometric shapes
30718	-0.35	0.68	0.64	1.17	Geometry	Composing and decomposing geometric shapes
30724	0.12	0.66	0.51	1.39	Geometry	Composing and decomposing geometric shapes
30725	0.39	0.64	1.14	0.96	Geometry	Composing and decomposing geometric shapes
30735	2.15	0.58	0.57	1.46	Geometry	Composing and decomposing geometric shapes
30736	1.90	0.57	0.89	1.05	Geometry	Composing and decomposing geometric shapes
30738	0.75	0.56	0.62	1.41	Geometry	Composing and decomposing geometric shapes
30741	0.00	0.00	1.00	1.00	Geometry	Composing and decomposing geometric shapes
30742	-0.25	0.70	3.80	0.19	Geometry	Composing and decomposing geometric shapes
30743	0.40	0.57	0.93	0.84	Geometry	Composing and decomposing geometric shapes
30745	0.40	0.75	1.31	0.91	Geometry	Composing and decomposing geometric shapes
30746	-1.57	0.78	0.31	1.17	Geometry	Composing and decomposing geometric shapes
30747	2.86	0.60	1.22	0.92	Geometry	Composing and decomposing geometric shapes
30754	1.91	0.50	1.06	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30756	0.50	0.60	1.46	0.38	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30757	1.19	0.57	1.35	-0.06	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30760	-0.16	0.60	0.71	1.04	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30761	0.00	0.00	1.00	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones

30852	0.79	0.80	0.41	1.49	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30856	2.18	0.48	1.43	0.54	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30864	0.49	0.59	0.82	1.05	Geometry	Composing and decomposing geometric shapes
30871	0.59	0.55	1.81	-0.26	Geometry	Composing and decomposing geometric shapes
30873	0.00	0.00	1.00	1.00	Geometry	Composing and decomposing geometric shapes
30875	-6.21	1.06	0.72	0.99	Geometry	Composing and decomposing geometric shapes
30884	-4.46	1.08	1.76	0.97	Geometry	Composing and decomposing geometric shapes
30889	-1.40	0.81	1.05	0.82	Geometry	Composing and decomposing geometric shapes
30890	0.53	0.44	1.13	0.58	Geometry	Composing and decomposing geometric shapes
30907	0.42	0.68	0.51	1.32	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30912	1.92	0.50	2.23	0.60	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
30945	2.46	0.52	1.93	1.00	Number and Operations	Developing an understanding of whole number relationships, including grouping in tens and ones
31001	-1.22	0.66	0.79	1.08	Geometry	Composing and decomposing geometric shapes
31003	-0.88	0.75	0.84	1.08	Geometry	Composing and decomposing geometric shapes
31012	0.43	0.46	0.79	1.19	Geometry	Composing and decomposing geometric shapes
31013	-4.48	1.17	0.09	1.09	Geometry	Composing and decomposing geometric shapes
31014	0.38	0.49	0.84	1.15	Geometry	Composing and decomposing geometric shapes
31015	-5.55	1.07	0.22	1.03	Geometry	Composing and decomposing geometric shapes
31016	1.82	0.48	1.74	0.02	Geometry	Composing and decomposing geometric shapes
31018	-0.14	0.60	0.97	0.87	Geometry	Composing and decomposing geometric shapes
31019	-0.07	0.60	0.81	0.97	Geometry	Composing and decomposing geometric shapes
31020	2.12	0.51	1.05	1.09	Geometry	Composing and decomposing geometric shapes
31021	-0.70	0.85	0.34	1.34	Geometry	Composing and decomposing geometric shapes
31022	-0.49	0.61	5.04	-0.08	Geometry	Composing and decomposing geometric shapes
31025	1.68	0.49	1.91	0.41	Geometry	Composing and decomposing geometric shapes
31156	0.27	0.70	1.28	0.86	Geometry	Composing and decomposing geometric shapes
31159	1.27	0.44	1.06	0.91	Geometry	Composing and decomposing geometric shapes

31160	-5.80	1.07	0.34	1.01	Geometry	Composing and decomposing geometric shapes
31162	-1.96	0.78	1.02	0.88	Geometry	Composing and decomposing geometric shapes
31163	1.28	0.50	1.34	0.25	Geometry	Composing and decomposing geometric shapes
31180	-0.12	0.54	1.31	0.92	Geometry	Composing and decomposing geometric shapes
31181	0.00	0.00	1.00	1.00	Geometry	Composing and decomposing geometric shapes
31182	0.12	0.53	0.82	1.03	Geometry	Composing and decomposing geometric shapes
31186	-5.76	1.10	9.90	0.88	Geometry	Composing and decomposing geometric shapes
31193	-1.22	0.71	3.62	0.85	Geometry	Composing and decomposing geometric shapes
31200	-2.20	0.79	1.47	0.97	Geometry	Composing and decomposing geometric shapes
31201	-1.39	0.78	0.45	1.13	Geometry	Composing and decomposing geometric shapes
31203	-0.48	0.60	1.19	0.86	Geometry	Composing and decomposing geometric shapes
31205	0.99	0.47	1.25	0.81	Geometry	Composing and decomposing geometric shapes
31208	2.06	0.66	1.43	0.48	Geometry	Composing and decomposing geometric shapes
31209	1.67	0.64	2.33	0.59	Geometry	Composing and decomposing geometric shapes
31210	0.55	0.60	0.89	1.00	Geometry	Composing and decomposing geometric shapes

Table 2
Distractor Analysis

ITEM	CODE	SCORE	USED	AVGE MEAS	S.E. MEAS
10001	A	1	21	1.56	0.24
10001	B	0	0	0.00	0.00
10001	C	0	1	0.35	0.00
10001	D	0	1	0.07	0.00
10002	A	1	20	1.81	0.51
10002	B	0	1	-0.24	0.00
10002	C	0	2	-0.27	0.01
10002	D	0	0	0.00	0.00
10003	A	1	20	2.02	0.51
10003	B	0	0	0.00	0.00
10003	C	0	3	-0.30	0.73
10003	D	0	1	-0.90	0.00
10004	A	1	22	1.91	0.37
10004	B	0	0	0.00	0.00
10004	C	0	1	0.16	0.00
10004	D	0	0	0.00	0.00
10005	A	-1	0	0.00	0.00
10005	B	-1	0	0.00	0.00
10005	C	-1	0	0.00	0.00
10005	D	-1	0	0.00	0.00
10006	A	1	19	1.40	0.31
10006	B	0	0	0.00	0.00
10006	C	0	1	-1.35	0.00
10006	D	0	2	-0.57	0.01
10007	A	1	544	1.91	0.08
10007	B	0	30	0.72	0.35
10007	C	0	27	0.25	0.13
10007	D	0	12	-1.36	0.47
10008	A	1	11	0.95	1.00
10008	B	0	6	0.93	0.22
10008	C	0	1	-0.30	0.00
10008	D	0	3	0.32	0.89
10009	A	1	14	1.83	0.67
10009	B	0	8	0.14	0.37
10009	C	0	0	0.00	0.00
10009	D	0	1	2.82	0.00
10010	A	1	16	2.45	0.46
10010	B	0	4	0.45	0.25
10010	C	0	0	0.00	0.00
10010	D	0	1	-2.97	0.00
10011	A	1	19	2.15	0.25
10011	B	0	3	-0.34	0.36
10011	C	0	1	2.36	0.00
10011	D	0	0	0.00	0.00
10012	A	1	18	2.58	0.63
10012	B	0	1	-0.27	0.00
10012	C	0	2	0.85	0.04
10012	D	0	2	1.47	0.44

10013	A	1	6	1.46	0.18
10013	B	0	10	0.56	0.26
10013	C	0	1	1.97	0.00
10013	D	0	4	0.11	0.30
10014	A	1	17	2.05	0.46
10014	B	0	2	0.27	0.65
10014	C	0	2	0.14	0.53
10014	D	0	3	0.66	0.28
10015	A	1	17	1.79	0.45
10015	B	0	0	0.00	0.00
10015	C	0	1	-0.18	0.00
10015	D	0	4	0.43	0.80
10016	A	1	21	2.38	0.46
10016	B	0	0	0.00	0.00
10016	C	0	0	0.00	0.00
10016	D	0	1	0.35	0.00
10017	A	1	14	2.36	0.51
10017	B	0	3	0.20	0.48
10017	C	0	1	0.72	0.00
10017	D	0	3	-0.11	1.02
10018	A	1	18	2.40	0.42
10018	B	0	2	3.08	0.51
10018	C	0	1	1.67	0.00
10018	D	0	1	-0.57	0.00
10019	A	1	14	1.93	0.53
10019	B	0	4	1.73	2.11
10019	C	0	0	0.00	0.00
10019	D	0	5	0.42	0.15
10020	A	1	12	2.81	0.57
10020	B	0	4	0.89	0.45
10020	C	0	2	0.90	0.42
10020	D	0	5	1.16	0.51
10021	A	1	16	1.31	0.25
10021	B	0	1	0.78	0.00
10021	C	0	2	0.25	0.51
10021	D	0	2	0.21	0.14
10022	A	1	13	2.19	0.68
10022	B	0	3	0.18	0.72
10022	C	0	1	0.62	0.00
10022	D	0	3	0.17	0.11
10023	A	1	18	2.36	0.53
10023	B	0	1	-0.87	0.00
10023	C	0	4	0.16	0.15
10023	D	0	0	0.00	0.00
10024	A	1	15	2.43	0.61
10024	B	0	4	-0.14	0.43
10024	C	0	1	0.81	0.00
10024	D	0	1	1.31	0.00
10025	A	1	15	1.50	0.34
10025	B	0	4	1.76	0.55
10025	C	0	4	0.46	0.52
10025	D	0	0	0.00	0.00

10026	A	1	5	1.71	0.38
10026	B	0	8	1.22	0.39
10026	C	0	6	1.41	0.62
10026	D	0	1	0.52	0.00
10027	A	1	11	1.59	0.40
10027	B	0	5	0.82	0.29
10027	C	0	2	1.05	0.41
10027	D	0	2	-0.15	0.40
10028	A	1	11	3.84	1.02
10028	B	0	1	1.17	0.00
10028	C	0	7	2.06	1.03
10028	D	0	2	1.58	0.41
10029	A	1	15	2.63	0.76
10029	B	0	0	0.00	0.00
10029	C	0	3	-0.29	0.29
10029	D	0	1	0.87	0.00
10030	A	1	8	1.59	0.38
10030	B	0	6	2.49	0.42
10030	C	0	5	0.90	0.33
10030	D	0	5	0.59	0.27
10031	A	1	11	2.09	0.71
10031	B	0	0	0.00	0.00
10031	C	0	6	0.27	0.66
10031	D	0	3	-0.17	0.93
10032	A	1	13	2.10	0.58
10032	B	0	1	0.08	0.00
10032	C	0	4	0.56	0.45
10032	D	0	3	0.63	1.04
10033	A	1	12	2.24	0.55
10033	B	0	5	0.36	0.17
10033	C	0	0	0.00	0.00
10033	D	0	5	-1.02	1.17
10034	A	1	15	1.84	0.32
10034	B	0	2	-0.02	0.03
10034	C	0	3	0.75	0.62
10034	D	0	2	1.26	0.37
10035	A	1	12	2.46	0.60
10035	B	0	2	-0.68	0.23
10035	C	0	5	0.32	0.17
10035	D	0	3	0.54	0.39
10036	A	1	10	2.89	0.65
10036	B	0	2	0.14	1.87
10036	C	0	5	0.57	0.33
10036	D	0	6	0.67	0.41
10037	A	1	14	3.11	0.79
10037	B	0	1	0.67	0.00
10037	C	0	1	0.87	0.00
10037	D	0	8	0.46	0.39
10038	A	1	15	1.58	0.53
10038	B	0	2	0.45	0.35
10038	C	0	2	1.21	0.75
10038	D	0	3	0.99	0.27

10039	A	1	404	2.40	0.10
10039	B	0	72	0.46	0.12
10039	C	0	45	0.47	0.14
10039	D	0	91	0.28	0.12
10040	A	1	17	1.85	0.45
10040	B	0	1	1.11	0.00
10040	C	0	2	1.30	0.41
10040	D	0	4	0.35	0.84
10041	A	1	18	1.69	0.46
10041	B	0	2	3.48	4.65
10041	C	0	3	1.65	0.72
10041	D	0	0	0.00	0.00
10042	A	1	14	1.35	0.29
10042	B	0	0	0.00	0.00
10042	C	0	2	0.39	0.77
10042	D	0	4	0.34	0.65
10043	A	1	14	2.10	0.57
10043	B	0	2	0.25	0.83
10043	C	0	2	2.10	1.36
10043	D	0	4	0.82	0.93
10044	A	1	8	3.46	0.98
10044	B	0	2	-0.03	0.38
10044	C	0	3	0.94	0.29
10044	D	0	6	0.02	0.58
10045	A	1	15	2.53	0.61
10045	B	0	1	1.11	0.00
10045	C	0	0	0.00	0.00
10045	D	0	2	1.11	0.04
10046	A	1	7	1.34	0.61
10046	B	0	4	0.61	0.46
10046	C	0	4	1.26	0.63
10046	D	0	8	0.47	0.43
10047	A	1	10	3.47	1.00
10047	B	0	3	0.16	0.91
10047	C	0	2	1.75	1.82
10047	D	0	7	1.22	0.41
10048	A	1	13	1.68	0.27
10048	B	0	2	0.10	0.15
10048	C	0	5	0.27	0.50
10048	D	0	2	-0.04	0.51
10049	A	1	12	2.27	0.61
10049	B	0	2	-0.57	0.16
10049	C	0	6	0.30	0.28
10049	D	0	2	0.72	0.92
10050	A	1	5	4.27	1.47
10050	B	0	10	1.05	0.25
10050	C	0	6	1.28	0.67
10050	D	0	3	0.17	0.44
10051	A	1	16	2.32	0.59
10051	B	0	2	0.25	0.72
10051	C	0	0	0.00	0.00
10051	D	0	4	-0.34	0.71

10052	A	1	14	2.59	0.80
10052	B	0	3	1.10	0.86
10052	C	0	4	0.82	0.27
10052	D	0	2	0.38	0.02
10053	A	1	9	2.32	0.44
10053	B	0	2	0.88	0.02
10053	C	0	6	0.84	0.36
10053	D	0	3	-0.11	0.24
10054	A	1	10	2.16	0.69
10054	B	0	3	1.10	0.35
10054	C	0	2	0.49	0.47
10054	D	0	7	1.24	0.56
10055	A	1	4	6.82	1.01
10055	B	0	7	1.50	0.41
10055	C	0	3	0.80	0.89
10055	D	0	6	1.62	0.26
10056	A	1	7	2.93	1.00
10056	B	0	4	-0.01	0.57
10056	C	0	4	1.14	0.31
10056	D	0	8	1.74	0.86
10057	A	1	16	1.62	0.22
10057	B	0	0	0.00	0.00
10057	C	0	4	0.24	0.25
10057	D	0	2	-0.67	0.82
10058	A	1	14	1.41	0.37
10058	B	0	2	0.93	0.23
10058	C	0	0	0.00	0.00
10058	D	0	6	0.78	0.59
10059	A	1	15	2.64	0.45
10059	B	0	3	-0.53	0.73
10059	C	0	1	0.42	0.00
10059	D	0	1	-0.40	0.00
10060	A	1	16	2.16	0.32
10060	B	0	4	0.00	0.24
10060	C	0	2	-0.59	0.94
10060	D	0	3	0.25	0.99
10061	A	1	14	2.07	0.53
10061	B	0	2	1.81	0.08
10061	C	0	2	0.31	0.96
10061	D	0	5	0.42	0.30
10062	A	1	14	1.52	0.36
10062	B	0	1	-0.56	0.00
10062	C	0	6	0.48	0.17
10062	D	0	0	0.00	0.00
10063	A	1	15	1.58	0.56
10063	B	0	3	0.13	0.37
10063	C	0	0	0.00	0.00
10063	D	0	0	0.00	0.00
10064	A	1	14	1.98	0.45
10064	B	0	2	0.65	0.62
10064	C	0	1	-0.23	0.00
10064	D	0	3	-0.11	0.65

10065	A	1	20	0.82	0.21
10065	B	0	1	0.90	0.00
10065	C	0	1	-0.92	0.00
10065	D	0	1	1.29	0.00
10066	A	1	14	2.31	0.68
10066	B	0	6	0.79	0.44
10066	C	0	0	0.00	0.00
10066	D	0	2	-0.56	1.11
10067	A	1	8	2.14	0.31
10067	B	0	8	1.81	0.44
10067	C	0	4	0.37	0.55
10067	D	0	4	-0.23	0.61
10068	A	1	7	3.76	1.10
10068	B	0	13	1.12	0.26
10068	C	0	1	-0.40	0.00
10068	D	0	1	-1.49	0.00
10069	A	1	14	1.84	0.29
10069	B	0	0	0.00	0.00
10069	C	0	3	-0.16	0.49
10069	D	0	3	-0.16	0.73
10070	A	1	10	4.32	1.09
10070	B	0	1	0.00	0.00
10070	C	0	9	1.33	0.35
10070	D	0	1	-2.07	0.00
10071	A	1	15	2.40	0.71
10071	B	0	1	0.10	0.00
10071	C	0	4	0.68	0.38
10071	D	0	0	0.00	0.00
10072	A	1	8	2.66	1.21
10072	B	0	8	1.10	0.22
10072	C	0	1	0.18	0.00
10072	D	0	5	0.77	0.24
10073	A	1	16	2.41	0.57
10073	B	0	3	-0.25	0.25
10073	C	0	1	0.55	0.00
10073	D	0	0	0.00	0.00
10074	A	1	14	2.20	0.30
10074	B	0	4	1.42	0.51
10074	C	0	1	0.59	0.00
10074	D	0	3	-0.02	0.27
10075	A	1	19	2.04	0.51
10075	B	0	0	0.00	0.00
10075	C	0	2	1.09	0.53
10075	D	0	0	0.00	0.00
10076	A	1	19	2.70	0.57
10076	B	0	3	0.82	0.92
10076	C	0	0	0.00	0.00
10076	D	0	2	-0.98	0.38
10077	A	1	16	2.67	0.41
10077	B	0	1	0.12	0.00
10077	C	0	1	0.10	0.00
10077	D	0	2	-1.45	0.90

10078	A	1	19	1.96	0.41
10078	B	0	1	2.32	0.00
10078	C	0	0	0.00	0.00
10078	D	0	1	-5.40	0.00
10079	A	1	18	1.92	0.46
10079	B	0	2	1.57	0.20
10079	C	0	2	-0.24	0.40
10079	D	0	0	0.00	0.00
10080	A	-1	0	0.00	0.00
10080	B	-1	0	0.00	0.00
10080	C	-1	0	0.00	0.00
10080	D	-1	0	0.00	0.00
10081	A	1	21	1.72	0.32
10081	B	0	1	1.66	0.00
10081	C	0	1	-0.58	0.00
10081	D	0	1	0.26	0.00
10082	A	1	21	1.54	0.28
10082	B	0	0	0.00	0.00
10082	C	0	1	0.67	0.00
10082	D	0	1	-1.68	0.00
10083	A	1	20	1.74	0.43
10083	B	0	1	1.98	0.00
10083	C	0	2	0.12	0.25
10083	D	0	0	0.00	0.00
10084	A	1	21	2.46	0.55
10084	B	0	0	0.00	0.00
10084	C	0	2	0.88	0.72
10084	D	0	0	0.00	0.00
10085	A	1	8	3.55	1.01
10085	B	0	4	1.08	0.68
10085	C	0	7	1.52	0.31
10085	D	0	5	0.23	0.32
10086	A	1	10	2.33	0.71
10086	B	0	7	0.98	0.21
10086	C	0	3	1.64	0.85
10086	D	0	3	1.49	1.03
10087	A	1	15	2.93	0.57
10087	B	0	5	1.23	0.65
10087	C	0	2	-0.35	1.80
10087	D	0	2	-2.79	2.61
10088	A	1	17	1.63	0.35
10088	B	0	0	0.00	0.00
10088	C	0	3	1.47	1.18
10088	D	0	3	-0.22	0.26
10089	A	1	21	2.27	0.51
10089	B	0	0	0.00	0.00
10089	C	0	1	-0.60	0.00
10089	D	0	1	-0.22	0.00
10090	A	1	14	2.95	0.45
10090	B	0	7	1.89	1.02
10090	C	0	0	0.00	0.00
10090	D	0	1	0.95	0.00

10091	A	1	14	2.43	0.27
10091	B	0	0	0.00	0.00
10091	C	0	5	0.83	0.21
10091	D	0	2	0.17	0.39
10092	A	1	15	1.89	0.47
10092	B	0	2	0.38	0.38
10092	C	0	3	1.20	0.89
10092	D	0	2	1.89	0.67
10093	A	1	10	3.36	1.07
10093	B	0	3	1.53	1.05
10093	C	0	10	0.75	0.30
10093	D	0	0	0.00	0.00
10094	A	1	315	2.57	0.12
10094	B	0	109	1.09	0.12
10094	C	0	110	0.90	0.12
10094	D	0	78	0.30	0.14
10095	A	1	16	3.48	0.68
10095	B	0	1	0.11	0.00
10095	C	0	1	-0.27	0.00
10095	D	0	1	-0.13	0.00
10096	A	1	17	2.13	0.59
10096	B	0	1	-0.25	0.00
10096	C	0	2	-0.99	0.39
10096	D	0	3	-0.49	1.35
10097	A	1	15	1.95	0.31
10097	B	0	4	0.55	0.47
10097	C	0	3	0.66	0.48
10097	D	0	0	0.00	0.00
10098	A	1	16	2.07	0.47
10098	B	0	3	0.39	0.90
10098	C	0	1	0.22	0.00
10098	D	0	3	-0.34	0.22
10099	A	1	21	2.23	0.49
10099	B	0	0	0.00	0.00
10099	C	0	2	-0.20	0.11
10099	D	0	1	0.74	0.00
10100	A	1	14	2.80	0.70
10100	B	0	2	-1.30	0.69
10100	C	0	3	-0.11	0.67
10100	D	0	2	4.13	2.76
10101	A	1	16	2.28	0.44
10101	B	0	3	0.09	0.12
10101	C	0	2	1.18	1.22
10101	D	0	2	-0.36	0.85
10102	A	1	14	3.35	0.68
10102	B	0	5	2.28	0.37
10102	C	0	1	-0.56	0.00
10102	D	0	1	-0.52	0.00
10103	A	1	18	1.23	0.22
10103	B	0	3	0.30	0.48
10103	C	0	3	0.61	0.81
10103	D	0	0	0.00	0.00

10104	A	1	14	1.97	0.51
10104	B	0	5	0.82	0.28
10104	C	0	2	1.68	0.41
10104	D	0	3	-0.49	0.63
10105	A	1	14	2.01	0.31
10105	B	0	2	0.01	0.93
10105	C	0	3	0.61	0.39
10105	D	0	2	0.63	0.31
10106	A	1	19	2.87	0.55
10106	B	0	0	0.00	0.00
10106	C	0	2	-0.32	0.55
10106	D	0	2	-0.58	0.27
10107	A	1	16	3.27	0.64
10107	B	0	0	0.00	0.00
10107	C	0	5	0.14	0.29
10107	D	0	2	0.32	0.20
10108	A	1	16	2.70	0.55
10108	B	0	2	0.67	0.90
10108	C	0	2	-0.19	1.53
10108	D	0	2	-0.55	0.10
10109	A	1	18	2.93	0.66
10109	B	0	1	1.67	0.00
10109	C	0	1	0.41	0.00
10109	D	0	1	1.79	0.00
10110	A	1	17	2.04	0.61
10110	B	0	5	1.15	0.34
10110	C	0	0	0.00	0.00
10110	D	0	2	-0.96	1.03
10111	A	1	17	2.26	0.58
10111	B	0	0	0.00	0.00
10111	C	0	3	-0.78	0.57
10111	D	0	2	-0.96	0.40
10112	A	1	10	3.53	0.73
10112	B	0	4	0.58	0.48
10112	C	0	9	0.86	0.27
10112	D	0	0	0.00	0.00
10113	A	1	14	1.91	0.34
10113	B	0	3	0.03	0.34
10113	C	0	1	-0.22	0.00
10113	D	0	4	0.72	0.42
10114	A	1	15	1.60	0.49
10114	B	0	3	0.29	0.34
10114	C	0	3	0.79	0.70
10114	D	0	2	1.84	1.23
10115	A	1	12	1.25	0.36
10115	B	0	0	0.00	0.00
10115	C	0	6	0.41	0.32
10115	D	0	2	-1.29	0.70
10116	A	1	16	2.15	0.48
10116	B	0	1	-0.48	0.00
10116	C	0	5	0.62	0.36
10116	D	0	1	-0.13	0.00

10117	A	1	11	2.17	0.36
10117	B	0	4	1.54	0.46
10117	C	0	5	1.53	0.39
10117	D	0	3	0.49	0.55
10118	A	1	15	1.61	0.36
10118	B	0	3	2.72	2.71
10118	C	0	4	0.16	0.59
10118	D	0	2	-2.60	2.80
10119	A	1	3	5.15	1.42
10119	B	0	6	0.62	0.74
10119	C	0	8	1.72	0.46
10119	D	0	4	0.80	0.37
10120	A	1	13	1.67	0.35
10120	B	0	2	1.43	0.54
10120	C	0	7	0.52	0.47
10120	D	0	0	0.00	0.00
10121	A	1	10	2.73	0.75
10121	B	0	2	0.33	0.03
10121	C	0	7	0.86	0.35
10121	D	0	3	-0.05	0.74
10122	A	1	12	2.73	0.77
10122	B	0	5	-0.81	0.43
10122	C	0	2	1.03	0.22
10122	D	0	5	1.22	0.45
10123	A	1	13	2.88	0.68
10123	B	0	4	1.01	0.23
10123	C	0	5	0.90	0.22
10123	D	0	2	0.51	1.09
10124	A	1	18	2.61	0.51
10124	B	0	2	1.00	0.25
10124	C	0	2	0.23	0.47
10124	D	0	0	0.00	0.00
10125	A	1	14	2.31	0.53
10125	B	0	6	0.40	0.40
10125	C	0	2	2.27	1.28
10125	D	0	1	-0.26	0.00
10126	A	1	13	2.89	0.69
10126	B	0	2	0.79	0.12
10126	C	0	5	0.62	0.52
10126	D	0	2	-0.28	0.97
10127	A	1	15	1.74	0.33
10127	B	0	3	0.77	0.67
10127	C	0	2	2.11	0.24
10127	D	0	2	0.38	0.23
10128	A	1	6	3.24	0.98
10128	B	0	7	1.31	0.44
10128	C	0	5	-0.15	0.20
10128	D	0	3	0.73	0.75
10129	A	1	13	2.44	0.71
10129	B	0	4	0.03	0.35
10129	C	0	5	0.73	0.42
10129	D	0	2	0.84	1.15

10130	A	1	10	2.31	0.32
10130	B	0	2	0.95	0.76
10130	C	0	5	-0.23	0.27
10130	D	0	4	-0.41	0.87
10131	A	1	10	1.53	0.49
10131	B	0	4	1.31	0.50
10131	C	0	2	0.34	0.04
10131	D	0	6	1.19	0.44
10132	A	1	9	1.25	0.46
10132	B	0	6	0.96	0.46
10132	C	0	3	-0.14	0.61
10132	D	0	5	1.08	0.36
10133	A	1	13	2.80	0.74
10133	B	0	0	0.00	0.00
10133	C	0	5	1.11	0.33
10133	D	0	6	1.42	1.31
10134	A	1	14	2.15	0.54
10134	B	0	5	0.18	0.52
10134	C	0	1	0.08	0.00
10134	D	0	1	1.57	0.00
10135	A	1	12	2.73	0.73
10135	B	0	3	0.12	0.54
10135	C	0	0	0.00	0.00
10135	D	0	8	-0.10	0.29
10136	A	1	13	2.08	0.76
10136	B	0	1	-0.21	0.00
10136	C	0	2	1.10	0.85
10136	D	0	7	0.79	0.69
10137	A	1	11	3.10	0.80
10137	B	0	3	1.08	0.90
10137	C	0	6	0.60	0.54
10137	D	0	2	1.76	0.35
10138	A	1	14	2.98	0.78
10138	B	0	0	0.00	0.00
10138	C	0	4	-0.21	0.44
10138	D	0	4	-0.89	1.52
10139	A	1	17	2.08	0.28
10139	B	0	3	0.26	0.82
10139	C	0	2	-0.38	0.10
10139	D	0	0	0.00	0.00
10140	A	1	10	2.41	0.29
10140	B	0	8	0.67	0.31
10140	C	0	3	0.14	0.39
10140	D	0	1	1.82	0.00
10141	A	1	13	2.56	0.50
10141	B	0	4	0.34	0.61
10141	C	0	2	0.38	0.16
10141	D	0	2	-0.08	0.44
10142	A	1	18	3.25	0.73
10142	B	0	0	0.00	0.00
10142	C	0	1	0.79	0.00
10142	D	0	1	0.56	0.00

10143	A	1	16	2.50	0.59
10143	B	0	4	0.28	0.07
10143	C	0	1	0.95	0.00
10143	D	0	0	0.00	0.00
10144	A	-1	0	0.00	0.00
10144	B	-1	0	0.00	0.00
10144	C	-1	0	0.00	0.00
10144	D	-1	0	0.00	0.00
10145	A	1	20	1.47	0.34
10145	B	0	0	0.00	0.00
10145	C	0	0	0.00	0.00
10145	D	0	2	-0.56	0.93
10146	A	1	20	2.39	0.51
10146	B	0	0	0.00	0.00
10146	C	0	0	0.00	0.00
10146	D	0	2	-0.52	0.31
10147	A	1	24	1.57	0.22
10147	B	0	1	-0.65	0.00
10147	C	0	0	0.00	0.00
10147	D	0	0	0.00	0.00
10148	A	1	15	2.25	0.60
10148	B	0	1	0.74	0.00
10148	C	0	2	0.29	0.68
10148	D	0	1	0.35	0.00
10149	A	1	16	2.37	0.50
10149	B	0	0	0.00	0.00
10149	C	0	5	0.20	0.18
10149	D	0	1	0.51	0.00
10150	A	1	10	2.80	0.89
10150	B	0	4	1.11	0.56
10150	C	0	2	0.31	0.28
10150	D	0	1	0.40	0.00
10151	A	1	6	3.99	1.42
10151	B	0	10	1.29	0.41
10151	C	0	0	0.00	0.00
10151	D	0	7	1.16	0.61
10152	A	1	10	2.38	0.68
10152	B	0	1	0.56	0.00
10152	C	0	8	1.79	0.44
10152	D	0	3	1.05	0.36
10153	A	1	5	1.19	0.56
10153	B	0	6	1.11	0.65
10153	C	0	1	0.67	0.00
10153	D	0	9	1.69	0.84
10154	A	1	8	1.47	0.45
10154	B	0	1	0.80	0.00
10154	C	0	3	3.25	2.40
10154	D	0	9	1.70	1.20
10155	A	1	9	2.45	0.29
10155	B	0	4	0.86	0.21
10155	C	0	2	0.18	0.15
10155	D	0	8	-0.13	0.52

10156	A	1	6	1.25	0.51
10156	B	0	7	1.56	0.53
10156	C	0	3	0.26	0.82
10156	D	0	4	1.80	0.88
10157	A	1	11	1.93	0.45
10157	B	0	3	1.83	0.62
10157	C	0	3	0.92	0.58
10157	D	0	7	1.67	0.37
10158	A	1	7	2.61	1.08
10158	B	0	11	1.28	0.26
10158	C	0	2	0.24	0.79
10158	D	0	3	1.92	0.82
10159	A	1	12	3.12	0.50
10159	B	0	5	0.54	0.47
10159	C	0	5	2.25	1.52
10159	D	0	0	0.00	0.00
10160	A	1	11	1.42	0.33
10160	B	0	2	0.07	0.32
10160	C	0	9	2.24	0.81
10160	D	0	4	1.03	0.60
10161	A	1	20	2.20	0.37
10161	B	0	0	0.00	0.00
10161	C	0	2	0.27	0.25
10161	D	0	0	0.00	0.00
10162	A	1	15	1.31	0.24
10162	B	0	3	-0.10	0.25
10162	C	0	2	0.79	0.60
10162	D	0	1	0.09	0.00
10163	A	1	18	1.93	0.45
10163	B	0	2	0.14	0.11
10163	C	0	2	1.69	0.15
10163	D	0	0	0.00	0.00
10164	A	1	16	1.71	0.29
10164	B	0	0	0.00	0.00
10164	C	0	2	-0.93	0.10
10164	D	0	4	0.18	0.91
10165	A	1	11	1.92	0.70
10165	B	0	3	0.27	0.81
10165	C	0	7	0.47	0.28
10165	D	0	0	0.00	0.00
10166	A	1	9	1.87	0.35
10166	B	0	4	1.00	0.76
10166	C	0	3	-0.93	0.45
10166	D	0	4	0.82	0.54
10167	A	1	11	2.52	0.67
10167	B	0	7	0.04	0.36
10167	C	0	4	0.13	0.24
10167	D	0	1	2.26	0.00
10168	A	1	9	1.57	0.39
10168	B	0	7	1.03	0.22
10168	C	0	3	1.48	0.48
10168	D	0	2	0.24	0.92

10169	A	1	15	2.81	0.75
10169	B	0	4	0.48	0.59
10169	C	0	2	0.29	0.50
10169	D	0	3	1.39	0.77
10170	A	1	5	2.82	0.65
10170	B	0	3	2.77	2.56
10170	C	0	6	0.85	0.59
10170	D	0	6	1.88	0.47
10171	A	1	13	2.84	0.70
10171	B	0	1	1.28	0.00
10171	C	0	4	1.19	0.36
10171	D	0	4	0.23	0.93
10172	A	1	7	1.38	0.42
10172	B	0	8	0.77	0.33
10172	C	0	5	1.14	0.66
10172	D	0	3	1.34	0.75
10173	A	1	6	2.10	0.50
10173	B	0	5	0.93	0.60
10173	C	0	5	0.13	0.24
10173	D	0	4	1.52	0.31
10174	A	1	11	2.15	0.88
10174	B	0	6	0.72	0.50
10174	C	0	3	0.56	0.35
10174	D	0	3	0.68	0.33
10175	A	1	14	1.95	0.31
10175	B	0	3	1.24	0.89
10175	C	0	5	1.61	0.38
10175	D	0	1	-0.45	0.00
10176	A	1	10	3.04	0.90
10176	B	0	6	0.30	0.61
10176	C	0	2	1.43	1.02
10176	D	0	5	0.21	0.37
10177	A	1	5	1.71	1.66
10177	B	0	4	2.69	0.66
10177	C	0	4	2.16	2.05
10177	D	0	10	2.23	0.82
10178	A	1	6	2.40	0.63
10178	B	0	7	2.37	0.97
10178	C	0	7	1.40	0.51
10178	D	0	4	0.27	0.52
10179	A	1	14	2.99	0.69
10179	B	0	1	-0.72	0.00
10179	C	0	2	0.63	0.40
10179	D	0	3	-1.06	0.97
10180	A	1	21	2.44	0.37
10180	B	0	0	0.00	0.00
10180	C	0	1	-0.18	0.00
10180	D	0	1	0.64	0.00
10181	A	1	10	1.85	0.78
10181	B	0	4	0.39	0.33
10181	C	0	4	0.06	0.23
10181	D	0	6	0.62	0.61

10182	A	1	13	1.87	0.38
10182	B	0	0	0.00	0.00
10182	C	0	4	0.68	0.20
10182	D	0	4	-0.09	0.38
10183	A	1	10	1.80	0.74
10183	B	0	3	0.52	0.14
10183	C	0	3	0.31	0.73
10183	D	0	4	-2.35	1.03
10184	A	1	12	1.40	0.34
10184	B	0	4	1.29	0.58
10184	C	0	2	1.18	0.79
10184	D	0	3	0.09	0.37
10185	A	1	16	1.72	0.23
10185	B	0	1	-0.34	0.00
10185	C	0	2	1.44	1.67
10185	D	0	4	-0.74	0.43
10186	A	1	7	1.99	1.04
10186	B	0	7	0.12	0.24
10186	C	0	5	1.77	0.26
10186	D	0	1	-0.59	0.00
10187	A	1	10	2.70	0.75
10187	B	0	5	2.26	0.48
10187	C	0	4	1.99	1.73
10187	D	0	2	0.31	0.76
10188	A	1	9	2.89	0.77
10188	B	0	5	1.02	0.49
10188	C	0	6	0.39	0.49
10188	D	0	1	1.41	0.00
10189	A	1	7	3.41	1.08
10189	B	0	4	0.48	0.41
10189	C	0	10	0.77	0.32
10189	D	0	2	0.31	0.08
10190	A	1	10	3.13	0.65
10190	B	0	3	1.27	0.51
10190	C	0	8	1.06	0.58
10190	D	0	3	0.22	0.19
10191	A	1	13	4.07	0.77
10191	B	0	3	0.67	0.29
10191	C	0	3	0.65	0.20
10191	D	0	3	1.46	0.38
10192	A	1	7	3.49	0.81
10192	B	0	5	0.80	0.64
10192	C	0	8	1.00	0.38
10192	D	0	4	0.99	0.65
10193	A	1	17	1.91	0.28
10193	B	0	1	0.08	0.00
10193	C	0	0	0.00	0.00
10193	D	0	6	0.18	0.26
10194	A	1	13	3.37	0.78
10194	B	0	3	1.30	0.38
10194	C	0	5	0.19	0.47
10194	D	0	2	0.37	1.25

10195	A	1	17	1.97	0.25
10195	B	0	1	-0.40	0.00
10195	C	0	3	1.33	0.93
10195	D	0	2	-0.37	0.32
10196	A	1	17	2.72	0.54
10196	B	0	0	0.00	0.00
10196	C	0	4	-0.45	0.64
10196	D	0	2	0.58	1.01
10197	A	1	17	2.07	0.57
10197	B	0	1	1.90	0.00
10197	C	0	1	0.41	0.00
10197	D	0	2	-0.35	1.18
10198	A	1	12	2.54	0.60
10198	B	0	2	-1.28	0.80
10198	C	0	5	1.03	0.55
10198	D	0	4	0.26	0.68
10199	A	1	15	2.08	0.51
10199	B	0	3	1.20	0.50
10199	C	0	2	0.79	1.15
10199	D	0	4	0.70	0.17
10200	A	1	15	3.61	0.63
10200	B	0	6	-0.28	0.23
10200	C	0	1	0.49	0.00
10200	D	0	1	-0.57	0.00
10201	A	1	18	1.47	0.46
10201	B	0	3	0.36	0.66
10201	C	0	1	-0.57	0.00
10201	D	0	0	0.00	0.00
10202	A	1	22	1.57	0.26
10202	B	0	1	-0.25	0.00
10202	C	0	0	0.00	0.00
10202	D	0	0	0.00	0.00
10203	A	1	22	2.42	0.54
10203	B	0	0	0.00	0.00
10203	C	0	0	0.00	0.00
10203	D	0	2	-1.38	0.77
10204	A	1	14	4.07	0.81
10204	B	0	4	1.55	0.69
10204	C	0	1	-0.90	0.00
10204	D	0	4	0.41	1.01
10205	A	1	20	2.14	0.50
10205	B	0	0	0.00	0.00
10205	C	0	0	0.00	0.00
10205	D	0	1	-1.38	0.00
10206	A	1	15	2.00	0.50
10206	B	0	0	0.00	0.00
10206	C	0	5	0.73	0.61
10206	D	0	3	0.43	0.60
10207	A	1	12	3.08	0.66
10207	B	0	5	1.41	0.64
10207	C	0	2	1.74	0.37
10207	D	0	4	0.59	0.42

10208	A	1	18	1.81	0.41
10208	B	0	1	0.42	0.00
10208	C	0	0	0.00	0.00
10208	D	0	5	-0.65	1.20
10209	A	1	20	1.48	0.45
10209	B	0	1	0.14	0.00
10209	C	0	1	1.27	0.00
10209	D	0	1	0.25	0.00
10210	A	1	17	2.40	0.50
10210	B	0	2	0.07	0.31
10210	C	0	2	1.10	0.23
10210	D	0	0	0.00	0.00
10211	A	1	18	1.66	0.42
10211	B	0	3	0.44	0.39
10211	C	0	0	0.00	0.00
10211	D	0	0	0.00	0.00
10212	A	1	15	2.18	0.54
10212	B	0	1	0.88	0.00
10212	C	0	3	1.68	0.72
10212	D	0	1	0.22	0.00
10213	A	1	16	2.46	0.60
10213	B	0	1	1.36	0.00
10213	C	0	2	-0.33	0.40
10213	D	0	1	-0.45	0.00
10214	A	1	20	1.47	0.24
10214	B	0	1	0.07	0.00
10214	C	0	0	0.00	0.00
10214	D	0	1	-0.57	0.00
10215	A	1	20	2.10	0.51
10215	B	0	2	0.69	0.85
10215	C	0	0	0.00	0.00
10215	D	0	0	0.00	0.00
10216	A	1	15	1.47	0.32
10216	B	0	3	0.54	0.53
10216	C	0	2	0.69	0.21
10216	D	0	2	0.12	0.49
10217	A	1	15	2.15	0.49
10217	B	0	4	1.63	0.56
10217	C	0	4	1.15	0.42
10217	D	0	0	0.00	0.00
10218	A	1	17	3.28	0.68
10218	B	0	1	1.03	0.00
10218	C	0	3	0.83	0.86
10218	D	0	2	-2.26	0.10
10219	A	1	17	2.00	0.59
10219	B	0	2	2.61	0.71
10219	C	0	4	-0.36	0.22
10219	D	0	0	0.00	0.00
10220	A	1	17	1.69	0.44
10220	B	0	2	-0.24	0.35
10220	C	0	1	-0.25	0.00
10220	D	0	0	0.00	0.00

10221	A	1	21	2.04	0.45
10221	B	0	1	2.32	0.00
10221	C	0	1	-1.53	0.00
10221	D	0	0	0.00	0.00
10222	A	1	12	2.11	0.54
10222	B	0	6	0.17	0.23
10222	C	0	0	0.00	0.00
10222	D	0	2	0.44	0.12
10223	A	1	18	2.25	0.44
10223	B	0	5	0.24	0.24
10223	C	0	1	0.88	0.00
10223	D	0	0	0.00	0.00
10224	A	1	17	1.97	0.45
10224	B	0	2	0.89	0.10
10224	C	0	3	1.30	0.28
10224	D	0	1	1.62	0.00
10225	A	1	12	4.51	0.72
10225	B	0	8	1.18	0.37
10225	C	0	1	0.78	0.00
10225	D	0	1	0.40	0.00
10226	A	1	14	3.29	0.70
10226	B	0	4	0.33	0.36
10226	C	0	2	0.14	0.44
10226	D	0	4	0.35	0.28
10227	A	1	14	3.48	0.61
10227	B	0	2	1.07	0.46
10227	C	0	3	0.92	1.04
10227	D	0	2	0.69	0.17
10228	A	1	12	3.02	0.48
10228	B	0	4	0.13	0.38
10228	C	0	3	2.24	0.13
10228	D	0	5	0.98	0.47
10229	A	1	17	3.25	0.56
10229	B	0	2	0.40	0.82
10229	C	0	1	1.03	0.00
10229	D	0	5	0.67	0.37
10230	A	1	12	2.97	0.69
10230	B	0	2	0.24	1.41
10230	C	0	0	0.00	0.00
10230	D	0	8	0.45	0.31
10231	A	1	19	2.06	0.61
10231	B	0	1	-0.83	0.00
10231	C	0	1	0.63	0.00
10231	D	0	1	1.37	0.00
10232	A	1	12	2.23	0.68
10232	B	0	3	0.67	0.52
10232	C	0	0	0.00	0.00
10232	D	0	6	0.24	0.47
10233	A	1	12	2.60	0.54
10233	B	0	3	0.22	0.30
10233	C	0	2	0.49	0.66
10233	D	0	6	0.43	0.42

10234	A	1	13	2.75	0.48
10234	B	0	3	0.20	0.18
10234	C	0	3	0.49	0.41
10234	D	0	3	0.83	0.23
10235	A	1	15	1.91	0.47
10235	B	0	1	1.36	0.00
10235	C	0	3	-2.04	1.70
10235	D	0	4	0.89	0.42
10236	A	1	10	3.39	0.79
10236	B	0	5	0.68	0.48
10236	C	0	4	0.32	0.31
10236	D	0	0	0.00	0.00
10237	A	1	13	3.06	0.64
10237	B	0	3	1.97	0.78
10237	C	0	5	0.63	0.22
10237	D	0	1	0.68	0.00
10238	A	1	20	2.56	0.54
10238	B	0	1	-0.65	0.00
10238	C	0	1	1.63	0.00
10238	D	0	1	0.83	0.00
10239	A	1	13	2.97	0.64
10239	B	0	4	1.18	0.99
10239	C	0	1	2.30	0.00
10239	D	0	1	1.80	0.00
10240	A	1	16	2.13	0.50
10240	B	0	1	0.28	0.00
10240	C	0	3	2.21	0.54
10240	D	0	2	0.58	0.46
10241	A	1	16	3.78	0.77
10241	B	0	3	1.49	0.74
10241	C	0	3	0.72	0.15
10241	D	0	0	0.00	0.00
10242	A	1	16	2.32	0.60
10242	B	0	2	0.46	0.71
10242	C	0	2	1.15	1.57
10242	D	0	2	-0.47	0.26
10243	A	1	14	2.28	0.53
10243	B	0	4	-0.27	0.44
10243	C	0	3	0.52	0.12
10243	D	0	2	-0.19	0.41
10244	A	1	13	2.62	0.71
10244	B	0	5	1.07	0.47
10244	C	0	3	0.37	0.27
10244	D	0	2	-1.79	0.57
10245	A	1	10	3.05	0.63
10245	B	0	5	0.84	0.36
10245	C	0	3	0.75	0.06
10245	D	0	3	0.60	1.14
10246	A	1	13	2.63	0.75
10246	B	0	2	-0.55	0.81
10246	C	0	1	-0.25	0.00
10246	D	0	1	0.87	0.00

10247	A	1	11	1.81	0.33
10247	B	0	2	0.83	0.89
10247	C	0	3	0.39	0.30
10247	D	0	5	-0.13	0.83
10248	A	1	14	2.81	0.77
10248	B	0	0	0.00	0.00
10248	C	0	4	1.76	0.46
10248	D	0	3	1.10	0.98
10249	A	1	19	2.22	0.43
10249	B	0	1	1.84	0.00
10249	C	0	2	0.35	1.24
10249	D	0	1	0.47	0.00
10250	A	1	15	2.47	0.47
10250	B	0	2	-0.95	0.40
10250	C	0	2	1.99	1.12
10250	D	0	3	-0.63	0.86
10251	A	1	15	1.85	0.30
10251	B	0	7	0.40	0.27
10251	C	0	0	0.00	0.00
10251	D	0	1	-0.65	0.00
10252	A	1	16	1.97	0.50
10252	B	0	3	1.11	0.42
10252	C	0	1	-0.56	0.00
10252	D	0	2	0.06	0.12
10253	A	1	19	1.53	0.28
10253	B	0	3	-0.29	0.45
10253	C	0	1	-0.30	0.00
10253	D	0	0	0.00	0.00
10254	A	1	16	2.20	0.51
10254	B	0	4	0.27	0.44
10254	C	0	0	0.00	0.00
10254	D	0	2	-3.54	1.86
10255	A	1	16	2.23	0.46
10255	B	0	2	0.04	0.89
10255	C	0	1	-0.40	0.00
10255	D	0	1	2.97	0.00
10256	A	1	18	1.10	0.35
10256	B	0	0	0.00	0.00
10256	C	0	2	0.66	0.88
10256	D	0	2	-0.06	0.55
10257	A	1	15	2.79	0.60
10257	B	0	2	0.43	0.06
10257	C	0	1	-0.72	0.00
10257	D	0	2	-0.50	0.05
10258	A	1	20	1.70	0.47
10258	B	0	0	0.00	0.00
10258	C	0	0	0.00	0.00
10258	D	0	1	-0.85	0.00
10259	A	1	17	2.37	0.52
10259	B	0	2	0.19	0.01
10259	C	0	1	-0.25	0.00
10259	D	0	2	-0.11	0.37

10260	A	1	18	2.52	0.41
10260	B	0	4	0.36	0.40
10260	C	0	0	0.00	0.00
10260	D	0	1	-0.59	0.00
10261	A	1	15	2.28	0.63
10261	B	0	1	0.89	0.00
10261	C	0	5	0.83	0.39
10261	D	0	2	0.29	0.02
10262	A	1	18	1.57	0.24
10262	B	0	1	0.01	0.00
10262	C	0	2	-0.95	0.73
10262	D	0	0	0.00	0.00
10263	A	1	19	1.49	0.27
10263	B	0	1	-0.39	0.00
10263	C	0	0	0.00	0.00
10263	D	0	1	-0.58	0.00
10264	A	1	19	2.87	0.57
10264	B	0	1	0.20	0.00
10264	C	0	3	-0.60	0.01
10264	D	0	0	0.00	0.00
10265	A	1	12	2.25	0.57
10265	B	0	4	0.12	0.34
10265	C	0	4	0.71	0.47
10265	D	0	6	-0.03	0.38
10266	A	1	15	2.94	0.39
10266	B	0	2	1.41	1.13
10266	C	0	3	1.24	0.49
10266	D	0	4	0.39	0.36
10267	A	1	18	2.92	0.50
10267	B	0	2	0.76	0.02
10267	C	0	2	0.15	0.34
10267	D	0	1	-1.38	0.00
10268	A	1	12	2.62	0.64
10268	B	0	4	0.28	0.29
10268	C	0	3	0.68	0.12
10268	D	0	2	-0.05	0.23
10269	A	1	16	2.00	0.31
10269	B	0	0	0.00	0.00
10269	C	0	1	0.03	0.00
10269	D	0	5	-0.26	0.27
10270	A	1	14	1.74	0.32
10270	B	0	1	0.16	0.00
10270	C	0	2	0.01	0.88
10270	D	0	5	-0.06	0.32
10271	A	1	16	1.66	0.53
10271	B	0	0	0.00	0.00
10271	C	0	6	-0.05	0.15
10271	D	0	0	0.00	0.00
10272	A	1	20	1.98	0.48
10272	B	0	1	-0.39	0.00
10272	C	0	0	0.00	0.00
10272	D	0	2	-2.93	2.48

10273	A	1	20	2.46	0.48
10273	B	0	3	1.08	0.68
10273	C	0	0	0.00	0.00
10273	D	0	0	0.00	0.00
10274	A	-1	0	0.00	0.00
10274	B	-1	0	0.00	0.00
10274	C	-1	0	0.00	0.00
10274	D	-1	0	0.00	0.00
10275	A	-1	0	0.00	0.00
10275	B	-1	0	0.00	0.00
10275	C	-1	0	0.00	0.00
10275	D	-1	0	0.00	0.00
10276	A	1	17	2.49	0.42
10276	B	0	2	0.46	0.37
10276	C	0	2	-0.60	0.75
10276	D	0	0	0.00	0.00
10277	A	1	17	1.49	0.22
10277	B	0	5	-0.01	0.41
10277	C	0	1	1.89	0.00
10277	D	0	0	0.00	0.00
10278	A	1	14	2.31	0.52
10278	B	0	2	1.20	1.12
10278	C	0	1	0.18	0.00
10278	D	0	5	0.01	0.68
10279	A	1	11	2.13	0.64
10279	B	0	8	0.83	0.41
10279	C	0	1	2.36	0.00
10279	D	0	2	0.40	0.92
10280	A	1	18	3.07	0.48
10280	B	0	2	0.24	0.83
10280	C	0	1	-0.20	0.00
10280	D	0	1	0.59	0.00
10281	A	1	10	3.36	0.58
10281	B	0	5	1.97	0.46
10281	C	0	6	0.97	0.86
10281	D	0	2	1.63	0.03
10282	A	1	17	1.43	0.30
10282	B	0	2	0.10	0.32
10282	C	0	3	1.26	1.17
10282	D	0	1	-0.54	0.00
10283	A	1	21	2.34	0.45
10283	B	0	0	0.00	0.00
10283	C	0	2	-0.43	1.29
10283	D	0	0	0.00	0.00
10284	A	1	12	2.83	0.55
10284	B	0	3	0.64	0.71
10284	C	0	2	0.26	0.07
10284	D	0	4	-0.08	0.80
10285	A	1	15	1.99	0.51
10285	B	0	2	1.55	0.08
10285	C	0	2	0.22	0.06
10285	D	0	4	0.73	0.86

10286	A	1	13	2.72	0.66
10286	B	0	4	0.58	0.49
10286	C	0	0	0.00	0.00
10286	D	0	6	0.34	0.23
10287	A	1	13	2.54	0.53
10287	B	0	4	1.25	0.28
10287	C	0	1	0.20	0.00
10287	D	0	5	0.68	0.71
10288	A	1	9	2.56	0.67
10288	B	0	6	1.33	0.39
10288	C	0	1	1.14	0.00
10288	D	0	6	1.39	0.48
10289	A	1	11	2.90	0.76
10289	B	0	3	-0.22	0.54
10289	C	0	3	0.54	0.60
10289	D	0	6	0.54	0.47
10290	A	1	8	1.24	0.41
10290	B	0	5	0.82	0.42
10290	C	0	4	0.78	0.13
10290	D	0	5	0.48	0.07
10291	A	1	11	2.19	0.40
10291	B	0	4	0.07	0.76
10291	C	0	3	0.30	0.97
10291	D	0	5	-0.07	0.54
10292	A	1	17	1.70	0.44
10292	B	0	4	1.01	0.66
10292	C	0	1	1.17	0.00
10292	D	0	0	0.00	0.00
10293	A	-1	0	0.00	0.00
10293	B	-1	0	0.00	0.00
10293	C	-1	0	0.00	0.00
10293	D	-1	0	0.00	0.00
10294	A	-1	0	0.00	0.00
10294	B	-1	0	0.00	0.00
10294	C	-1	0	0.00	0.00
10294	D	-1	0	0.00	0.00
10295	A	1	21	2.03	0.36
10295	B	0	2	0.78	0.11
10295	C	0	0	0.00	0.00
10295	D	0	0	0.00	0.00
10296	A	-1	0	0.00	0.00
10296	B	-1	0	0.00	0.00
10296	C	-1	0	0.00	0.00
10296	D	-1	0	0.00	0.00
10297	A	1	18	2.01	0.48
10297	B	0	1	1.49	0.00
10297	C	0	1	0.00	0.00
10297	D	0	1	-2.36	0.00
10298	A	1	16	3.14	0.78
10298	B	0	1	0.72	0.00
10298	C	0	5	0.56	0.58
10298	D	0	0	0.00	0.00

10299	A	1	21	1.21	0.43
10299	B	0	0	0.00	0.00
10299	C	0	0	0.00	0.00
10299	D	0	2	-2.25	0.72
10300	A	1	21	2.29	0.44
10300	B	0	1	-1.35	0.00
10300	C	0	0	0.00	0.00
10300	D	0	1	-0.18	0.00
10301	A	1	20	2.10	0.56
10301	B	0	0	0.00	0.00
10301	C	0	1	0.26	0.00
10301	D	0	0	0.00	0.00
10302	A	1	18	2.34	0.52
10302	B	0	4	0.22	0.26
10302	C	0	0	0.00	0.00
10302	D	0	0	0.00	0.00
10303	A	1	12	1.15	0.47
10303	B	0	3	-0.74	0.63
10303	C	0	3	0.13	0.25
10303	D	0	3	-0.38	0.53
10304	A	1	20	1.67	0.40
10304	B	0	1	0.35	0.00
10304	C	0	1	1.16	0.00
10304	D	0	0	0.00	0.00
10305	A	1	14	2.94	0.73
10305	B	0	3	-0.57	0.19
10305	C	0	0	0.00	0.00
10305	D	0	3	-2.97	1.27
10306	A	1	21	1.86	0.39
10306	B	0	0	0.00	0.00
10306	C	0	1	-0.18	0.00
10306	D	0	0	0.00	0.00
10307	A	1	19	1.66	0.42
10307	B	0	1	0.72	0.00
10307	C	0	1	-0.92	0.00
10307	D	0	2	-1.34	0.74
10308	A	1	21	1.89	0.51
10308	B	0	0	0.00	0.00
10308	C	0	0	0.00	0.00
10308	D	0	3	-0.05	0.55
10309	A	1	16	1.61	0.47
10309	B	0	1	0.19	0.00
10309	C	0	2	-0.88	0.01
10309	D	0	0	0.00	0.00
10310	A	1	17	2.12	0.57
10310	B	0	3	0.02	1.05
10310	C	0	0	0.00	0.00
10310	D	0	0	0.00	0.00
10311	A	1	17	2.13	0.70
10311	B	0	1	0.74	0.00
10311	C	0	1	7.57	0.00
10311	D	0	0	0.00	0.00

10312	A	1	20	2.31	0.47
10312	B	0	1	-1.68	0.00
10312	C	0	1	-0.65	0.00
10312	D	0	1	-2.97	0.00
10313	A	1	17	2.70	0.64
10313	B	0	2	0.91	0.26
10313	C	0	1	-0.60	0.00
10313	D	0	1	2.38	0.00
10314	A	1	9	1.76	0.40
10314	B	0	3	1.73	0.31
10314	C	0	3	0.44	0.58
10314	D	0	6	1.80	1.19
10315	A	1	12	2.99	0.78
10315	B	0	0	0.00	0.00
10315	C	0	3	1.24	0.83
10315	D	0	4	0.52	0.89
10316	A	1	12	2.31	0.50
10316	B	0	5	0.51	0.40
10316	C	0	4	0.27	0.44
10316	D	0	1	0.63	0.00
10317	A	1	10	2.00	0.39
10317	B	0	2	0.47	0.05
10317	C	0	5	0.94	0.57
10317	D	0	4	0.07	0.21
10318	A	1	16	2.96	0.57
10318	B	0	3	1.13	0.49
10318	C	0	2	-0.40	0.00
10318	D	0	1	0.37	0.00
10319	A	1	10	3.61	0.73
10319	B	0	4	0.56	0.44
10319	C	0	6	0.89	0.71
10319	D	0	4	1.96	0.93
10320	A	1	9	2.18	0.23
10320	B	0	3	0.62	0.25
10320	C	0	5	1.18	0.73
10320	D	0	2	0.11	0.37
10321	A	1	15	2.92	0.43
10321	B	0	3	0.37	0.19
10321	C	0	3	0.34	0.43
10321	D	0	2	-0.49	0.06
10322	A	1	14	1.34	0.39
10322	B	0	2	-0.11	0.92
10322	C	0	2	-0.38	0.16
10322	D	0	3	-0.14	0.15
10323	A	1	16	2.27	0.60
10323	B	0	3	0.91	0.40
10323	C	0	2	-0.55	0.06
10323	D	0	0	0.00	0.00
10324	A	1	16	2.15	0.46
10324	B	0	0	0.00	0.00
10324	C	0	6	0.76	0.33
10324	D	0	0	0.00	0.00

10325	A	1	10	2.95	0.85
10325	B	0	4	0.59	0.73
10325	C	0	6	0.46	0.34
10325	D	0	1	0.65	0.00
10326	A	1	15	1.79	0.53
10326	B	0	2	0.30	0.30
10326	C	0	4	0.62	0.43
10326	D	0	1	-1.38	0.00
10327	A	1	17	2.31	0.59
10327	B	0	3	3.56	2.17
10327	C	0	3	0.98	0.71
10327	D	0	0	0.00	0.00
10328	A	1	14	1.85	0.35
10328	B	0	1	-0.35	0.00
10328	C	0	3	0.54	0.40
10328	D	0	3	0.91	0.40
10329	A	1	16	2.00	0.20
10329	B	0	2	-0.04	0.30
10329	C	0	4	0.94	0.53
10329	D	0	2	-1.76	1.21
10330	A	1	16	2.69	0.59
10330	B	0	0	0.00	0.00
10330	C	0	5	-0.28	0.34
10330	D	0	3	-0.66	0.59
10331	A	1	20	1.41	0.29
10331	B	0	1	-0.87	0.00
10331	C	0	2	0.60	0.21
10331	D	0	0	0.00	0.00
10332	A	1	14	2.74	0.67
10332	B	0	3	-0.27	0.74
10332	C	0	5	0.73	0.34
10332	D	0	0	0.00	0.00
10333	A	1	15	2.02	0.27
10333	B	0	2	1.39	0.40
10333	C	0	3	0.39	0.63
10333	D	0	0	0.00	0.00
10334	A	1	19	1.77	0.54
10334	B	0	0	0.00	0.00
10334	C	0	0	0.00	0.00
10334	D	0	2	0.87	0.31
10335	A	1	21	2.51	0.34
10335	B	0	0	0.00	0.00
10335	C	0	1	-0.42	0.00
10335	D	0	0	0.00	0.00
10336	A	1	20	1.79	0.41
10336	B	0	1	1.27	0.00
10336	C	0	0	0.00	0.00
10336	D	0	2	0.41	0.14
10337	A	1	13	1.42	0.56
10337	B	0	2	0.82	0.54
10337	C	0	1	-0.61	0.00
10337	D	0	3	-0.44	0.97

10338	A	1	20	2.61	0.46
10338	B	0	1	0.79	0.00
10338	C	0	0	0.00	0.00
10338	D	0	0	0.00	0.00
10339	A	1	19	2.36	0.63
10339	B	0	3	-0.52	0.37
10339	C	0	0	0.00	0.00
10339	D	0	0	0.00	0.00
10340	A	1	21	2.06	0.38
10340	B	0	1	-0.30	0.00
10340	C	0	0	0.00	0.00
10340	D	0	0	0.00	0.00
10341	A	1	16	3.19	0.65
10341	B	0	3	0.70	0.39
10341	C	0	2	0.04	0.43
10341	D	0	1	1.77	0.00
10342	A	1	19	2.29	0.61
10342	B	0	2	0.30	0.10
10342	C	0	1	-0.58	0.00
10342	D	0	1	-0.83	0.00
10343	A	1	21	1.39	0.26
10343	B	0	0	0.00	0.00
10343	C	0	2	-0.38	0.34
10343	D	0	1	-5.40	0.00
10344	A	1	17	1.25	0.23
10344	B	0	2	0.17	0.24
10344	C	0	1	-0.87	0.00
10344	D	0	2	-1.33	0.75
10345	A	1	19	2.39	0.43
10345	B	0	1	0.28	0.00
10345	C	0	2	0.94	0.47
10345	D	0	0	0.00	0.00
10346	A	1	19	1.91	0.55
10346	B	0	1	1.07	0.00
10346	C	0	1	-0.23	0.00
10346	D	0	0	0.00	0.00
10347	A	1	19	2.47	0.52
10347	B	0	0	0.00	0.00
10347	C	0	0	0.00	0.00
10347	D	0	4	-0.17	0.61
10348	A	1	18	2.15	0.60
10348	B	0	3	0.02	0.42
10348	C	0	1	-1.73	0.00
10348	D	0	0	0.00	0.00
10349	A	1	17	1.82	0.64
10349	B	0	1	-0.06	0.00
10349	C	0	3	-0.18	0.33
10349	D	0	0	0.00	0.00
10350	A	1	20	1.84	0.50
10350	B	0	1	-0.59	0.00
10350	C	0	1	-0.34	0.00
10350	D	0	0	0.00	0.00

10351	A	1	22	1.53	0.48
10351	B	0	0	0.00	0.00
10351	C	0	1	0.58	0.00
10351	D	0	1	-0.37	0.00
10352	A	1	20	1.53	0.44
10352	B	0	1	-0.83	0.00
10352	C	0	0	0.00	0.00
10352	D	0	1	-0.58	0.00
10353	A	1	21	2.24	0.51
10353	B	0	0	0.00	0.00
10353	C	0	1	-0.39	0.00
10353	D	0	1	1.57	0.00
10354	A	1	16	2.39	0.62
10354	B	0	3	-0.20	0.64
10354	C	0	3	-0.88	0.22
10354	D	0	1	0.26	0.00
10355	A	1	19	2.82	0.65
10355	B	0	0	0.00	0.00
10355	C	0	3	1.14	0.75
10355	D	0	1	3.55	0.00
10356	A	1	20	1.41	0.26
10356	B	0	0	0.00	0.00
10356	C	0	3	-0.33	0.54
10356	D	0	1	1.41	0.00
10357	A	1	18	2.97	0.45
10357	B	0	2	0.79	0.11
10357	C	0	2	0.25	0.24
10357	D	0	0	0.00	0.00
10358	A	1	14	2.47	0.48
10358	B	0	6	0.16	0.28
10358	C	0	2	0.36	0.42
10358	D	0	1	-0.28	0.00
10359	A	1	17	2.47	0.36
10359	B	0	2	0.09	0.66
10359	C	0	2	0.74	1.23
10359	D	0	2	-0.48	0.05
10360	A	1	11	2.99	0.72
10360	B	0	7	0.89	0.61
10360	C	0	1	1.11	0.00
10360	D	0	2	0.31	0.44
10361	A	1	15	2.21	0.66
10361	B	0	2	-0.12	0.60
10361	C	0	2	0.55	0.03
10361	D	0	2	-0.06	0.22
10362	A	1	18	3.31	0.60
10362	B	0	2	-0.34	0.83
10362	C	0	3	0.46	0.53
10362	D	0	0	0.00	0.00
10363	A	1	18	1.82	0.44
10363	B	0	1	-0.41	0.00
10363	C	0	2	1.07	0.72
10363	D	0	0	0.00	0.00

10364	A	1	14	2.04	0.54
10364	B	0	0	0.00	0.00
10364	C	0	5	0.38	0.38
10364	D	0	1	-1.38	0.00
10365	A	1	18	2.18	0.43
10365	B	0	2	-0.41	0.51
10365	C	0	2	0.86	0.61
10365	D	0	3	-0.37	1.01
10366	A	1	18	2.07	0.41
10366	B	0	0	0.00	0.00
10366	C	0	1	3.37	0.00
10366	D	0	4	-0.77	0.90
10367	A	1	14	1.72	0.52
10367	B	0	2	-0.23	0.64
10367	C	0	2	-0.19	0.84
10367	D	0	3	0.35	0.50
10368	A	1	5	2.17	0.30
10368	B	0	2	0.94	0.62
10368	C	0	10	0.84	0.33
10368	D	0	7	0.80	0.41
10369	A	1	18	1.55	0.30
10369	B	0	1	2.54	0.00
10369	C	0	1	0.67	0.00
10369	D	0	1	0.56	0.00
10370	A	1	11	3.16	0.79
10370	B	0	5	0.67	0.19
10370	C	0	3	0.61	0.27
10370	D	0	4	0.27	0.32
10371	A	1	8	2.36	0.55
10371	B	0	7	1.27	0.57
10371	C	0	4	0.41	0.25
10371	D	0	5	0.06	0.46
10372	A	1	13	1.89	0.68
10372	B	0	0	0.00	0.00
10372	C	0	3	-0.07	0.48
10372	D	0	3	-0.17	1.45
10373	A	1	20	2.19	0.49
10373	B	0	0	0.00	0.00
10373	C	0	0	0.00	0.00
10373	D	0	4	-1.26	0.59
10374	A	1	17	2.40	0.44
10374	B	0	1	2.26	0.00
10374	C	0	1	0.59	0.00
10374	D	0	3	0.55	0.61
10375	A	1	17	1.33	0.30
10375	B	0	1	-1.35	0.00
10375	C	0	0	0.00	0.00
10375	D	0	3	0.73	0.79
10376	A	1	17	2.34	0.55
10376	B	0	2	0.13	0.26
10376	C	0	3	-0.02	0.21
10376	D	0	1	-2.36	0.00

10377	A	1	18	2.15	0.51
10377	B	0	2	1.25	0.40
10377	C	0	1	-0.57	0.00
10377	D	0	2	-0.97	0.39
10378	A	1	17	2.11	0.44
10378	B	0	2	-0.69	0.15
10378	C	0	2	1.43	0.46
10378	D	0	1	0.02	0.00
10379	A	1	18	1.91	0.22
10379	B	0	3	-1.08	0.21
10379	C	0	0	0.00	0.00
10379	D	0	3	-1.29	0.48
10380	A	1	18	2.27	0.58
10380	B	0	0	0.00	0.00
10380	C	0	1	-0.07	0.00
10380	D	0	3	1.55	0.07
10381	A	1	12	2.08	0.39
10381	B	0	3	1.09	0.87
10381	C	0	1	0.49	0.00
10381	D	0	4	0.01	0.57
10382	A	1	12	1.94	0.27
10382	B	0	3	-0.05	0.51
10382	C	0	3	-0.36	0.24
10382	D	0	4	0.40	0.11
10383	A	1	11	1.57	0.35
10383	B	0	7	0.87	0.31
10383	C	0	3	-0.68	0.75
10383	D	0	2	1.49	0.55
10384	A	1	13	2.56	0.49
10384	B	0	2	0.94	0.34
10384	C	0	3	0.08	0.17
10384	D	0	3	1.03	0.44
10385	A	1	13	3.13	0.58
10385	B	0	6	1.03	0.21
10385	C	0	1	0.00	0.00
10385	D	0	1	-1.53	0.00
10386	A	1	12	2.89	0.74
10386	B	0	3	2.07	0.39
10386	C	0	6	0.26	0.48
10386	D	0	3	0.58	0.24
10387	A	1	18	1.67	0.25
10387	B	0	1	-0.06	0.00
10387	C	0	4	0.70	0.17
10387	D	0	1	-0.13	0.00
10388	A	1	17	1.40	0.28
10388	B	0	2	0.66	0.59
10388	C	0	1	-0.87	0.00
10388	D	0	1	1.69	0.00
10389	A	1	14	1.97	0.26
10389	B	0	2	-0.02	0.31
10389	C	0	3	1.29	0.28
10389	D	0	3	-1.14	0.93

10390	A	1	15	2.29	0.63
10390	B	0	1	-0.87	0.00
10390	C	0	7	0.33	0.35
10390	D	0	0	0.00	0.00
10391	A	1	16	2.55	0.49
10391	B	0	5	1.53	0.46
10391	C	0	2	1.24	1.22
10391	D	0	1	2.36	0.00
10392	A	1	16	1.38	0.28
10392	B	0	5	0.71	0.46
10392	C	0	2	0.28	0.35
10392	D	0	0	0.00	0.00
10393	A	1	8	1.75	0.41
10393	B	0	5	0.32	0.45
10393	C	0	5	1.54	0.54
10393	D	0	1	1.07	0.00
10394	A	1	19	2.37	0.41
10394	B	0	1	-0.48	0.00
10394	C	0	1	-0.30	0.00
10394	D	0	1	-1.22	0.00
10395	A	1	20	2.20	0.60
10395	B	0	1	-0.72	0.00
10395	C	0	0	0.00	0.00
10395	D	0	3	-2.04	1.68
10396	A	1	20	2.29	0.38
10396	B	0	1	0.13	0.00
10396	C	0	1	0.19	0.00
10396	D	0	1	-2.36	0.00
10397	A	1	19	2.17	0.22
10397	B	0	0	0.00	0.00
10397	C	0	5	0.98	0.54
10397	D	0	1	-0.52	0.00
10398	A	1	13	1.62	0.31
10398	B	0	0	0.00	0.00
10398	C	0	3	0.35	0.30
10398	D	0	2	2.00	1.87
10399	A	1	17	2.48	0.56
10399	B	0	1	0.33	0.00
10399	C	0	3	0.36	0.29
10399	D	0	1	-5.40	0.00
10400	A	1	21	2.02	0.50
10400	B	0	0	0.00	0.00
10400	C	0	2	1.16	1.32
10400	D	0	1	0.56	0.00
10401	A	1	22	1.74	0.43
10401	B	0	0	0.00	0.00
10401	C	0	1	6.32	0.00
10401	D	0	0	0.00	0.00
10402	A	1	18	1.41	0.25
10402	B	0	2	0.50	0.78
10402	C	0	0	0.00	0.00
10402	D	0	2	2.00	0.59

10403	A	1	19	2.12	0.41
10403	B	0	1	0.87	0.00
10403	C	0	3	-0.16	0.87
10403	D	0	1	-0.25	0.00
10404	A	1	13	2.19	0.55
10404	B	0	4	1.41	0.72
10404	C	0	1	0.16	0.00
10404	D	0	3	0.90	1.21
10405	A	1	2	1.57	0.10
10405	B	0	5	2.96	1.46
10405	C	0	14	2.00	0.54
10405	D	0	3	1.22	0.76
10406	A	1	7	0.25	0.40
10406	B	0	0	0.00	0.00
10406	C	0	5	0.87	0.60
10406	D	0	12	2.06	0.37
10407	A	-1	0	0.00	0.00
10407	B	-1	0	0.00	0.00
10407	C	-1	0	0.00	0.00
10407	D	-1	0	0.00	0.00
10408	A	1	21	2.10	0.42
10408	B	0	0	0.00	0.00
10408	C	0	0	0.00	0.00
10408	D	0	1	1.04	0.00
10409	A	1	20	2.35	0.55
10409	B	0	1	-0.64	0.00
10409	C	0	0	0.00	0.00
10409	D	0	1	-0.52	0.00
10410	A	1	6	3.59	1.41
10410	B	0	0	0.00	0.00
10410	C	0	9	0.72	0.31
10410	D	0	3	-1.28	0.55
10411	A	1	9	3.51	0.58
10411	B	0	2	2.43	0.57
10411	C	0	3	0.44	0.32
10411	D	0	7	1.83	0.08
10412	A	1	16	2.05	0.50
10412	B	0	2	1.48	0.71
10412	C	0	3	2.32	0.75
10412	D	0	2	-0.09	0.46
10413	A	1	14	2.64	0.64
10413	B	0	3	0.60	0.86
10413	C	0	2	0.00	0.19
10413	D	0	3	1.25	0.57
10414	A	1	18	2.13	0.58
10414	B	0	1	-0.22	0.00
10414	C	0	2	0.10	0.52
10414	D	0	2	1.62	0.02
10415	A	1	13	2.96	0.86
10415	B	0	2	-0.32	0.71
10415	C	0	7	0.38	0.25
10415	D	0	0	0.00	0.00

10416	A	1	17	1.88	0.61
10416	B	0	0	0.00	0.00
10416	C	0	3	0.73	0.62
10416	D	0	0	0.00	0.00
10417	A	1	16	2.40	0.47
10417	B	0	5	0.01	0.33
10417	C	0	2	4.18	3.77
10417	D	0	0	0.00	0.00
10418	A	1	22	2.36	0.54
10418	B	0	1	-0.72	0.00
10418	C	0	0	0.00	0.00
10418	D	0	0	0.00	0.00
10419	A	1	22	1.48	0.39
10419	B	0	2	1.15	1.75
10419	C	0	0	0.00	0.00
10419	D	0	0	0.00	0.00
10420	A	1	7	3.44	1.23
10420	B	0	4	0.43	0.16
10420	C	0	8	1.34	0.52
10420	D	0	3	-0.43	0.56
10421	A	1	18	1.55	0.27
10421	B	0	0	0.00	0.00
10421	C	0	1	0.32	0.00
10421	D	0	1	-1.35	0.00
10422	A	1	21	1.55	0.39
10422	B	0	0	0.00	0.00
10422	C	0	2	1.12	0.22
10422	D	0	0	0.00	0.00
10423	A	1	15	2.55	0.57
10423	B	0	3	0.58	0.56
10423	C	0	2	-0.50	0.34
10423	D	0	0	0.00	0.00
10424	A	1	17	2.11	0.45
10424	B	0	1	0.42	0.00
10424	C	0	3	0.48	0.29
10424	D	0	2	-0.98	0.75
10425	A	1	16	1.82	0.48
10425	B	0	1	1.34	0.00
10425	C	0	2	-0.06	1.19
10425	D	0	3	-0.26	0.74
10426	A	1	13	3.02	0.68
10426	B	0	5	1.20	0.49
10426	C	0	2	0.90	0.03
10426	D	0	2	-1.71	1.26
10427	A	1	9	1.03	0.33
10427	B	0	3	-0.09	0.50
10427	C	0	6	0.24	0.41
10427	D	0	4	0.48	0.35
10428	A	1	13	1.17	0.33
10428	B	0	7	0.78	0.32
10428	C	0	2	1.15	0.28
10428	D	0	2	0.54	1.06

10429	A	1	20	1.59	0.27
10429	B	0	0	0.00	0.00
10429	C	0	0	0.00	0.00
10429	D	0	2	1.64	1.89
10430	A	1	21	1.63	0.25
10430	B	0	0	0.00	0.00
10430	C	0	0	0.00	0.00
10430	D	0	1	0.50	0.00
10431	A	1	19	1.34	0.28
10431	B	0	1	0.80	0.00
10431	C	0	0	0.00	0.00
10431	D	0	0	0.00	0.00
10432	A	1	15	1.34	0.28
10432	B	0	1	-0.83	0.00
10432	C	0	1	0.42	0.00
10432	D	0	3	0.29	0.31
10433	A	1	9	2.57	0.78
10433	B	0	7	0.62	0.44
10433	C	0	0	0.00	0.00
10433	D	0	4	2.09	2.18
10434	A	1	12	1.60	0.28
10434	B	0	1	-0.22	0.00
10434	C	0	2	0.39	0.00
10434	D	0	5	0.97	0.57
10435	A	1	9	3.49	0.94
10435	B	0	6	1.33	0.23
10435	C	0	8	2.76	0.79
10435	D	0	0	0.00	0.00
10436	A	1	13	2.63	0.50
10436	B	0	1	1.80	0.00
10436	C	0	7	0.51	0.69
10436	D	0	2	0.21	0.69
10437	A	1	17	2.16	0.71
10437	B	0	1	-1.53	0.00
10437	C	0	1	-0.07	0.00
10437	D	0	2	-0.89	0.33
10438	A	1	22	1.82	0.36
10438	B	0	2	-0.60	0.01
10438	C	0	0	0.00	0.00
10438	D	0	0	0.00	0.00
10439	A	1	16	1.61	0.45
10439	B	0	3	0.48	0.53
10439	C	0	2	0.35	1.07
10439	D	0	2	0.62	0.22
10440	A	1	14	2.11	0.71
10440	B	0	3	0.46	0.13
10440	C	0	1	0.74	0.00
10440	D	0	3	-0.55	1.21
10441	A	1	17	2.66	0.67
10441	B	0	2	1.68	1.06
10441	C	0	1	-0.09	0.00
10441	D	0	1	-2.97	0.00

10442	A	1	10	2.85	0.91
10442	B	0	2	1.37	0.86
10442	C	0	6	1.16	0.53
10442	D	0	1	1.24	0.00
10443	A	1	9	2.29	0.41
10443	B	0	3	0.78	0.78
10443	C	0	8	1.05	0.43
10443	D	0	1	1.51	0.00
10444	A	1	15	1.63	0.26
10444	B	0	1	0.83	0.00
10444	C	0	3	0.50	0.59
10444	D	0	3	0.35	0.44
10445	A	1	15	1.97	0.62
10445	B	0	0	0.00	0.00
10445	C	0	2	1.16	1.82
10445	D	0	1	0.68	0.00
10446	A	1	17	2.13	0.22
10446	B	0	3	0.00	0.75
10446	C	0	1	-0.39	0.00
10446	D	0	0	0.00	0.00
10447	A	1	10	3.36	0.82
10447	B	0	2	0.82	0.90
10447	C	0	5	0.93	0.52
10447	D	0	2	0.35	0.21
10448	A	1	17	2.80	0.62
10448	B	0	0	0.00	0.00
10448	C	0	1	0.81	0.00
10448	D	0	3	-1.71	1.89
10449	A	1	14	2.22	0.56
10449	B	0	6	0.85	0.24
10449	C	0	2	0.75	2.11
10449	D	0	0	0.00	0.00
10450	A	1	18	2.58	0.50
10450	B	0	1	0.81	0.00
10450	C	0	3	0.80	0.50
10450	D	0	0	0.00	0.00
30006	A	1	7	2.26	0.98
30006	B	0	1	2.73	0.00
30006	C	0	6	1.45	0.48
30006	D	0	3	1.04	0.56
30011	A	1	9	1.21	0.32
30011	B	0	4	0.72	0.51
30011	C	0	2	0.28	0.02
30011	D	0	5	1.50	0.15
30104	A	1	5	1.44	0.41
30104	B	0	2	1.92	0.60
30104	C	0	3	1.72	0.95
30104	D	0	4	0.75	1.06
30105	A	1	16	2.15	0.41
30105	B	0	2	-0.04	0.29
30105	C	0	2	2.07	0.69
30105	D	0	3	-0.87	0.64

30106	A	1	19	1.75	0.26
30106	B	0	0	0.00	0.00
30106	C	0	0	0.00	0.00
30106	D	0	2	-2.52	0.45
30108	A	1	21	2.37	0.43
30108	B	0	1	1.93	0.00
30108	C	0	1	0.81	0.00
30108	D	0	1	-2.36	0.00
30110	A	1	17	1.95	0.60
30110	B	0	1	0.19	0.00
30110	C	0	0	0.00	0.00
30110	D	0	1	-0.13	0.00
30111	A	1	18	2.07	0.41
30111	B	0	0	0.00	0.00
30111	C	0	1	-0.09	0.00
30111	D	0	2	0.40	0.71
30112	A	1	20	2.46	0.45
30112	B	0	3	0.03	0.69
30112	C	0	0	0.00	0.00
30112	D	0	0	0.00	0.00
30114	A	1	10	3.09	1.11
30114	B	0	4	0.05	0.52
30114	C	0	1	1.41	0.00
30114	D	0	2	0.00	0.25
30115	A	-1	0	0.00	0.00
30115	B	-1	0	0.00	0.00
30115	C	-1	0	0.00	0.00
30115	D	-1	0	0.00	0.00
30116	A	1	16	2.10	0.48
30116	B	0	1	1.60	0.00
30116	C	0	1	2.10	0.00
30116	D	0	0	0.00	0.00
30117	A	1	18	1.51	0.33
30117	B	0	2	1.02	0.22
30117	C	0	2	0.18	0.79
30117	D	0	2	0.73	0.51
30118	A	1	14	2.03	0.55
30118	B	0	0	0.00	0.00
30118	C	0	2	-0.02	0.24
30118	D	0	2	0.38	0.24
30123	A	1	15	2.26	0.67
30123	B	0	1	0.83	0.00
30123	C	0	5	1.77	0.32
30123	D	0	0	0.00	0.00
30124	A	1	14	2.58	0.61
30124	B	0	3	1.09	0.74
30124	C	0	1	-0.24	0.00
30124	D	0	0	0.00	0.00
30125	A	1	17	1.49	0.50
30125	B	0	1	-0.09	0.00
30125	C	0	1	0.63	0.00
30125	D	0	0	0.00	0.00

30126	A	1	5	4.73	1.38
30126	B	0	3	1.21	0.55
30126	C	0	8	1.34	0.40
30126	D	0	5	-0.19	0.69
30129	A	1	9	2.57	0.75
30129	B	0	7	1.39	1.08
30129	C	0	4	0.87	1.04
30129	D	0	1	0.87	0.00
30134	A	-1	0	0.00	0.00
30134	B	-1	0	0.00	0.00
30134	C	-1	0	0.00	0.00
30134	D	-1	0	0.00	0.00
30135	A	1	22	1.56	0.50
30135	B	0	0	0.00	0.00
30135	C	0	1	0.59	0.00
30135	D	0	0	0.00	0.00
30148	A	1	11	3.32	0.94
30148	B	0	1	-0.92	0.00
30148	C	0	2	2.34	0.46
30148	D	0	1	0.12	0.00
30149	A	1	13	3.49	0.60
30149	B	0	8	0.60	0.50
30149	C	0	3	3.35	1.19
30149	D	0	2	1.54	0.11
30251	A	1	17	2.08	0.44
30251	B	0	0	0.00	0.00
30251	C	0	1	-0.57	0.00
30251	D	0	0	0.00	0.00
30253	A	-1	0	0.00	0.00
30253	B	-1	0	0.00	0.00
30253	C	-1	0	0.00	0.00
30253	D	-1	0	0.00	0.00
30256	A	1	22	1.59	0.35
30256	B	0	1	0.67	0.00
30256	C	0	3	-0.44	0.29
30256	D	0	2	-1.52	0.16
30257	A	1	10	1.74	0.39
30257	B	0	4	0.88	0.45
30257	C	0	0	0.00	0.00
30257	D	0	1	0.54	0.00
30258	A	1	15	2.10	0.52
30258	B	0	1	1.21	0.00
30258	C	0	4	0.11	0.61
30258	D	0	1	0.54	0.00
30259	A	1	19	2.16	0.55
30259	B	0	1	-0.13	0.00
30259	C	0	3	-0.11	0.20
30259	D	0	1	-1.38	0.00
30261	A	1	20	1.66	0.42
30261	B	0	0	0.00	0.00
30261	C	0	1	-0.72	0.00
30261	D	0	1	-2.36	0.00

30265	A	1	15	1.38	0.28
30265	B	0	1	0.35	0.00
30265	C	0	0	0.00	0.00
30265	D	0	0	0.00	0.00
30266	A	1	18	2.12	0.45
30266	B	0	2	0.24	1.12
30266	C	0	1	0.86	0.00
30266	D	0	1	0.13	0.00
30267	A	-1	0	0.00	0.00
30267	B	-1	0	0.00	0.00
30267	C	-1	0	0.00	0.00
30267	D	-1	0	0.00	0.00
30268	A	1	12	1.50	0.65
30268	B	0	1	0.94	0.00
30268	C	0	1	-0.23	0.00
30268	D	0	1	-0.59	0.00
30269	A	1	21	2.03	0.42
30269	B	0	1	1.63	0.00
30269	C	0	1	1.56	0.00
30269	D	0	2	-0.62	0.76
30271	A	1	23	2.00	0.46
30271	B	0	0	0.00	0.00
30271	C	0	0	0.00	0.00
30271	D	0	1	-0.83	0.00
30275	A	1	213	2.94	0.16
30275	B	0	114	1.00	0.10
30275	C	0	172	1.22	0.11
30275	D	0	110	0.89	0.15
30308	A	1	365	2.47	0.11
30308	B	0	147	0.88	0.09
30308	C	0	66	0.30	0.11
30308	D	0	30	-0.17	0.28
30401	A	1	13	2.18	0.53
30401	B	0	1	0.93	0.00
30401	C	0	1	3.09	0.00
30401	D	0	2	-1.93	1.04
30402	A	1	21	1.82	0.50
30402	B	0	1	-0.37	0.00
30402	C	0	1	2.52	0.00
30402	D	0	0	0.00	0.00
30403	A	1	19	1.66	0.28
30403	B	0	0	0.00	0.00
30403	C	0	0	0.00	0.00
30403	D	0	1	-0.04	0.00
30404	A	1	28	2.24	0.36
30404	B	0	1	-0.27	0.00
30404	C	0	1	0.19	0.00
30404	D	0	0	0.00	0.00
30405	A	1	11	2.88	0.84
30405	B	0	4	0.44	0.38
30405	C	0	3	1.55	1.10
30405	D	0	1	-2.07	0.00

30406	A	1	24	2.28	0.41
30406	B	0	0	0.00	0.00
30406	C	0	2	0.36	0.13
30406	D	0	4	-0.04	1.01
30410	A	1	9	1.41	0.26
30410	B	0	1	2.13	0.00
30410	C	0	2	0.10	0.24
30410	D	0	0	0.00	0.00
30413	A	1	16	1.80	0.29
30413	B	0	1	2.58	0.00
30413	C	0	3	0.90	0.18
30413	D	0	2	0.66	0.38
30416	A	1	29	1.82	0.29
30416	B	0	1	0.37	0.00
30416	C	0	4	0.80	0.36
30416	D	0	1	0.97	0.00
30417	A	1	13	2.49	0.52
30417	B	0	10	1.43	0.72
30417	C	0	1	0.31	0.00
30417	D	0	1	-5.40	0.00
30419	A	1	20	2.44	0.36
30419	B	0	2	-0.70	0.66
30419	C	0	2	-0.43	0.21
30419	D	0	0	0.00	0.00
30421	A	1	17	1.63	0.30
30421	B	0	1	0.60	0.00
30421	C	0	2	-0.23	0.18
30421	D	0	1	-0.59	0.00
30422	A	1	17	1.57	0.50
30422	B	0	4	0.69	1.14
30422	C	0	1	-0.09	0.00
30422	D	0	2	0.34	0.17
30424	A	1	23	1.77	0.22
30424	B	0	4	0.74	0.47
30424	C	0	5	1.02	0.61
30424	D	0	2	0.70	1.00
30457	A	1	21	1.67	0.25
30457	B	0	1	1.75	0.00
30457	C	0	1	0.71	0.00
30457	D	0	1	1.04	0.00
30458	A	1	17	1.91	0.63
30458	B	0	3	-0.03	1.04
30458	C	0	0	0.00	0.00
30458	D	0	1	1.82	0.00
30459	A	1	9	2.71	0.32
30459	B	0	2	2.28	0.48
30459	C	0	5	0.37	0.54
30459	D	0	8	0.89	0.40
30511	A	1	14	1.44	0.31
30511	B	0	2	1.10	0.69
30511	C	0	2	-0.40	0.17
30511	D	0	0	0.00	0.00

30512	A	1	14	1.38	0.26
30512	B	0	2	-0.04	0.55
30512	C	0	0	0.00	0.00
30512	D	0	1	0.07	0.00
30513	A	1	11	1.91	0.78
30513	B	0	1	-0.72	0.00
30513	C	0	1	0.80	0.00
30513	D	0	4	0.93	0.37
30514	A	1	15	2.01	0.70
30514	B	0	1	2.54	0.00
30514	C	0	1	-1.25	0.00
30514	D	0	3	-0.52	1.23
30515	A	1	12	1.16	0.29
30515	B	0	1	-0.92	0.00
30515	C	0	4	1.19	0.33
30515	D	0	1	0.46	0.00
30517	A	1	11	1.81	0.33
30517	B	0	1	-0.48	0.00
30517	C	0	1	0.25	0.00
30517	D	0	4	1.85	0.72
30518	A	1	28	1.59	0.40
30518	B	0	1	1.41	0.00
30518	C	0	1	-1.03	0.00
30518	D	0	2	-0.09	0.20
30519	A	1	8	3.55	1.05
30519	B	0	4	0.63	0.55
30519	C	0	1	0.20	0.00
30519	D	0	1	0.87	0.00
30520	A	1	15	1.19	0.37
30520	B	0	1	-0.04	0.00
30520	C	0	1	0.58	0.00
30520	D	0	4	1.06	0.42
30555	A	1	10	1.43	0.30
30555	B	0	0	0.00	0.00
30555	C	0	5	1.17	0.69
30555	D	0	1	1.40	0.00
30557	A	1	18	2.19	0.43
30557	B	0	3	0.76	0.70
30557	C	0	0	0.00	0.00
30557	D	0	1	-0.25	0.00
30559	A	1	13	1.75	0.59
30559	B	0	1	2.23	0.00
30559	C	0	0	0.00	0.00
30559	D	0	0	0.00	0.00
30560	A	1	15	1.35	0.41
30560	B	0	0	0.00	0.00
30560	C	0	3	-0.46	0.38
30560	D	0	1	-1.68	0.00
30561	A	1	13	2.24	0.32
30561	B	0	6	0.43	0.25
30561	C	0	4	0.55	0.20
30561	D	0	0	0.00	0.00

30564	A	1	9	2.44	0.78
30564	B	0	1	1.33	0.00
30564	C	0	0	0.00	0.00
30564	D	0	4	1.48	0.59
30579	A	1	16	2.25	0.53
30579	B	0	1	2.30	0.00
30579	C	0	1	0.95	0.00
30579	D	0	4	0.70	0.43
30583	A	1	15	1.97	0.52
30583	B	0	1	0.32	0.00
30583	C	0	0	0.00	0.00
30583	D	0	2	0.33	0.05
30589	A	1	19	1.77	0.55
30589	B	0	1	0.89	0.00
30589	C	0	2	0.68	0.19
30589	D	0	3	-0.38	1.39
30590	A	-1	0	0.00	0.00
30590	B	-1	0	0.00	0.00
30590	C	-1	0	0.00	0.00
30590	D	-1	0	0.00	0.00
30591	A	1	16	2.53	0.57
30591	B	0	2	0.66	0.05
30591	C	0	0	0.00	0.00
30591	D	0	0	0.00	0.00
30594	A	1	18	2.60	0.64
30594	B	0	0	0.00	0.00
30594	C	0	0	0.00	0.00
30594	D	0	1	-0.58	0.00
30595	A	1	21	1.99	0.49
30595	B	0	0	0.00	0.00
30595	C	0	0	0.00	0.00
30595	D	0	3	0.15	0.54
30598	A	1	19	2.84	0.67
30598	B	0	2	1.42	1.86
30598	C	0	0	0.00	0.00
30598	D	0	1	1.71	0.00
30600	A	1	12	2.41	0.74
30600	B	0	1	-0.65	0.00
30600	C	0	0	0.00	0.00
30600	D	0	4	0.78	0.57
30601	A	1	21	2.63	0.51
30601	B	0	3	-0.80	0.23
30601	C	0	3	-0.37	0.31
30601	D	0	1	2.95	0.00
30602	A	1	13	2.05	0.28
30602	B	0	0	0.00	0.00
30602	C	0	7	0.76	0.42
30602	D	0	2	0.32	0.07
30605	A	1	10	3.30	0.82
30605	B	0	8	0.79	0.30
30605	C	0	2	1.74	1.97
30605	D	0	4	1.20	0.57

30606	A	1	10	2.80	0.67
30606	B	0	1	0.57	0.00
30606	C	0	3	1.37	0.97
30606	D	0	2	0.33	0.26
30608	A	1	11	2.63	0.65
30608	B	0	3	0.46	0.40
30608	C	0	3	1.13	0.40
30608	D	0	3	0.87	0.75
30609	A	1	11	2.97	0.77
30609	B	0	3	0.54	0.21
30609	C	0	2	0.86	0.06
30609	D	0	5	0.04	0.50
30613	A	1	16	2.41	0.44
30613	B	0	3	2.67	2.45
30613	C	0	0	0.00	0.00
30613	D	0	1	0.74	0.00
30618	A	1	9	2.33	0.34
30618	B	0	4	1.14	0.57
30618	C	0	3	1.00	0.23
30618	D	0	3	0.15	0.92
30619	A	1	12	3.64	0.77
30619	B	0	2	1.52	1.27
30619	C	0	4	-0.79	0.26
30619	D	0	4	1.69	0.70
30701	A	1	18	1.24	0.25
30701	B	0	1	-0.59	0.00
30701	C	0	2	-0.32	0.10
30701	D	0	0	0.00	0.00
30702	A	-1	0	0.00	0.00
30702	B	-1	0	0.00	0.00
30702	C	-1	0	0.00	0.00
30702	D	-1	0	0.00	0.00
30703	A	1	14	2.48	0.68
30703	B	0	0	0.00	0.00
30703	C	0	0	0.00	0.00
30703	D	0	1	1.74	0.00
30705	A	1	14	1.41	0.58
30705	B	0	1	-0.54	0.00
30705	C	0	0	0.00	0.00
30705	D	0	0	0.00	0.00
30706	A	1	12	3.22	0.86
30706	B	0	0	0.00	0.00
30706	C	0	0	0.00	0.00
30706	D	0	1	-2.07	0.00
30707	A	1	15	3.68	0.79
30707	B	0	1	-0.05	0.00
30707	C	0	4	0.70	0.54
30707	D	0	0	0.00	0.00
30708	A	1	16	1.24	0.33
30708	B	0	1	1.16	0.00
30708	C	0	2	0.49	0.46
30708	D	0	0	0.00	0.00

30709	A	1	14	2.20	0.69
30709	B	0	2	0.62	1.10
30709	C	0	0	0.00	0.00
30709	D	0	1	0.37	0.00
30710	A	1	20	1.24	0.29
30710	B	0	6	-0.06	0.45
30710	C	0	3	2.01	0.27
30710	D	0	1	-0.68	0.00
30711	A	1	14	2.16	0.57
30711	B	0	0	0.00	0.00
30711	C	0	0	0.00	0.00
30711	D	0	1	-0.37	0.00
30715	A	1	24	1.69	0.39
30715	B	0	2	-0.09	0.19
30715	C	0	3	-0.09	0.45
30715	D	0	0	0.00	0.00
30716	A	1	21	1.41	0.41
30716	B	0	1	1.27	0.00
30716	C	0	0	0.00	0.00
30716	D	0	0	0.00	0.00
30717	A	-1	0	0.00	0.00
30717	B	-1	0	0.00	0.00
30717	C	-1	0	0.00	0.00
30717	D	-1	0	0.00	0.00
30718	A	1	16	2.28	0.44
30718	B	0	0	0.00	0.00
30718	C	0	2	0.69	0.96
30718	D	0	1	0.12	0.00
30724	A	1	12	2.10	0.30
30724	B	0	1	-0.87	0.00
30724	C	0	0	0.00	0.00
30724	D	0	3	0.40	0.52
30725	A	1	13	2.49	0.52
30725	B	0	0	0.00	0.00
30725	C	0	0	0.00	0.00
30725	D	0	4	1.09	0.72
30735	A	1	5	2.15	0.38
30735	B	0	5	0.23	0.36
30735	C	0	2	0.12	1.01
30735	D	0	6	0.90	0.41
30736	A	1	7	2.77	0.98
30736	B	0	2	-0.17	0.44
30736	C	0	7	0.85	0.53
30736	D	0	3	0.48	0.58
30738	A	1	12	2.10	0.29
30738	B	0	4	-0.02	0.79
30738	C	0	1	1.36	0.00
30738	D	0	2	0.25	0.12
30741	A	-1	0	0.00	0.00
30741	B	-1	0	0.00	0.00
30741	C	-1	0	0.00	0.00
30741	D	-1	0	0.00	0.00

30742	A	1	13	1.99	0.63
30742	B	0	1	1.16	0.00
30742	C	0	0	0.00	0.00
30742	D	0	3	0.75	1.80
30743	A	1	12	2.52	0.84
30743	B	0	4	0.55	0.47
30743	C	0	1	0.37	0.00
30743	D	0	2	-0.41	1.74
30745	A	1	11	2.71	0.59
30745	B	0	0	0.00	0.00
30745	C	0	1	3.03	0.00
30745	D	0	2	0.23	0.91
30746	A	1	22	1.99	0.34
30746	B	0	1	0.01	0.00
30746	C	0	1	-0.72	0.00
30746	D	0	0	0.00	0.00
30747	A	1	5	3.08	1.28
30747	B	0	4	1.35	0.75
30747	C	0	5	1.57	0.39
30747	D	0	3	1.11	1.61
30754	A	1	7	2.13	0.98
30754	B	0	1	0.63	0.00
30754	C	0	6	1.23	0.36
30754	D	0	8	0.44	0.23
30756	A	1	9	1.71	0.83
30756	B	0	2	-0.06	0.83
30756	C	0	1	2.59	0.00
30756	D	0	3	0.71	0.20
30757	A	1	7	1.14	0.33
30757	B	0	5	0.93	0.62
30757	C	0	2	0.85	1.43
30757	D	0	1	0.94	0.00
30760	A	1	15	1.91	0.40
30760	B	0	0	0.00	0.00
30760	C	0	3	0.51	0.26
30760	D	0	2	-0.45	0.14
30761	A	-1	0	0.00	0.00
30761	B	-1	0	0.00	0.00
30761	C	-1	0	0.00	0.00
30761	D	-1	0	0.00	0.00
30852	A	1	7	3.21	0.84
30852	B	0	0	0.00	0.00
30852	C	0	2	0.55	0.53
30852	D	0	1	0.28	0.00
30856	A	1	10	2.95	0.90
30856	B	0	5	1.44	1.70
30856	C	0	6	1.65	0.44
30856	D	0	5	0.95	0.31
30864	A	1	12	2.38	0.64
30864	B	0	6	0.38	0.37
30864	C	0	0	0.00	0.00
30864	D	0	0	0.00	0.00

30871	A	1	10	1.05	0.57
30871	B	0	5	0.48	0.49
30871	C	0	2	0.12	0.50
30871	D	0	2	1.43	1.38
30873	A	-1	0	0.00	0.00
30873	B	-1	0	0.00	0.00
30873	C	-1	0	0.00	0.00
30873	D	-1	0	0.00	0.00
30875	A	1	20	1.05	0.32
30875	B	0	0	0.00	0.00
30875	C	0	1	-0.13	0.00
30875	D	0	0	0.00	0.00
30884	A	1	7	1.16	0.24
30884	B	0	0	0.00	0.00
30884	C	0	1	1.63	0.00
30884	D	0	0	0.00	0.00
30889	A	1	15	1.35	0.34
30889	B	0	2	0.80	0.06
30889	C	0	0	0.00	0.00
30889	D	0	0	0.00	0.00
30890	A	1	16	1.88	0.66
30890	B	0	2	0.70	0.27
30890	C	0	7	0.47	0.28
30890	D	0	2	1.29	0.60
30907	A	1	11	3.06	0.73
30907	B	0	2	0.51	1.09
30907	C	0	1	0.42	0.00
30907	D	0	1	-0.58	0.00
30912	A	1	9	2.38	1.03
30912	B	0	4	1.26	0.53
30912	C	0	7	1.24	0.65
30912	D	0	5	-0.04	0.66
30945	A	1	8	3.92	1.28
30945	B	0	1	-0.06	0.00
30945	C	0	8	1.17	0.36
30945	D	0	7	0.91	0.55
31001	A	1	26	1.66	0.21
31001	B	0	1	1.65	0.00
31001	C	0	1	-0.57	0.00
31001	D	0	1	-0.83	0.00
31003	A	1	9	1.13	0.49
31003	B	0	1	0.94	0.00
31003	C	0	1	-0.72	0.00
31003	D	0	1	-1.53	0.00
31012	A	1	19	1.92	0.27
31012	B	0	3	-0.17	0.50
31012	C	0	4	0.67	0.36
31012	D	0	2	0.72	1.41
31013	A	1	16	2.41	0.73
31013	B	0	1	-1.99	0.00
31013	C	0	0	0.00	0.00
31013	D	0	0	0.00	0.00

31014	A	1	16	1.98	0.46
31014	B	0	3	0.46	0.26
31014	C	0	4	0.45	0.77
31014	D	0	1	0.15	0.00
31015	A	1	16	1.65	0.29
31015	B	0	0	0.00	0.00
31015	C	0	1	-0.58	0.00
31015	D	0	0	0.00	0.00
31016	A	1	11	1.91	0.44
31016	B	0	3	0.94	0.51
31016	C	0	7	1.80	0.47
31016	D	0	2	1.42	0.22
31018	A	1	12	1.36	0.38
31018	B	0	4	0.03	0.41
31018	C	0	0	0.00	0.00
31018	D	0	1	1.44	0.00
31019	A	1	13	2.32	0.76
31019	B	0	4	0.57	0.24
31019	C	0	1	-0.84	0.00
31019	D	0	0	0.00	0.00
31020	A	1	11	4.30	0.93
31020	B	0	2	0.68	0.27
31020	C	0	8	1.59	0.42
31020	D	0	3	-0.57	0.54
31021	A	1	10	1.84	0.28
31021	B	0	0	0.00	0.00
31021	C	0	1	0.20	0.00
31021	D	0	1	-0.68	0.00
31022	A	1	17	1.51	0.30
31022	B	0	1	1.14	0.00
31022	C	0	2	-0.20	0.45
31022	D	0	1	7.65	0.00
31025	A	1	9	1.49	0.57
31025	B	0	3	0.14	0.41
31025	C	0	8	0.80	0.30
31025	D	0	4	0.99	0.79
31156	A	1	10	2.52	0.74
31156	B	0	3	0.76	1.01
31156	C	0	1	-0.04	0.00
31156	D	0	0	0.00	0.00
31159	A	1	13	1.98	0.56
31159	B	0	10	0.90	0.28
31159	C	0	1	0.70	0.00
31159	D	0	3	-0.51	1.29
31160	A	1	19	2.31	0.56
31160	B	0	0	0.00	0.00
31160	C	0	0	0.00	0.00
31160	D	0	1	-0.40	0.00
31162	A	1	20	1.42	0.45
31162	B	0	0	0.00	0.00
31162	C	0	0	0.00	0.00
31162	D	0	2	0.53	0.21

31163	A	1	12	1.95	0.36
31163	B	0	0	0.00	0.00
31163	C	0	10	1.47	0.71
31163	D	0	0	0.00	0.00
31180	A	1	23	2.65	0.50
31180	B	0	3	0.98	0.67
31180	C	0	1	2.82	0.00
31180	D	0	1	-0.19	0.00
31181	A	-1	0	0.00	0.00
31181	B	-1	0	0.00	0.00
31181	C	-1	0	0.00	0.00
31181	D	-1	0	0.00	0.00
31182	A	1	14	1.83	0.58
31182	B	0	0	0.00	0.00
31182	C	0	3	0.32	0.27
31182	D	0	4	-0.73	1.58
31186	A	1	14	1.62	0.60
31186	B	0	0	0.00	0.00
31186	C	0	1	2.93	0.00
31186	D	0	0	0.00	0.00
31193	A	1	18	1.53	0.42
31193	B	0	1	-0.60	0.00
31193	C	0	0	0.00	0.00
31193	D	0	2	0.45	2.80
31200	A	1	24	1.29	0.27
31200	B	0	2	-0.10	1.63
31200	C	0	0	0.00	0.00
31200	D	0	0	0.00	0.00
31201	A	1	17	1.91	0.47
31201	B	0	1	0.28	0.00
31201	C	0	1	-0.24	0.00
31201	D	0	0	0.00	0.00
31203	A	1	24	2.11	0.34
31203	B	0	1	0.25	0.00
31203	C	0	1	2.26	0.00
31203	D	0	2	0.72	1.17
31205	A	1	16	2.30	0.51
31205	B	0	8	0.85	0.40
31205	C	0	2	0.90	0.02
31205	D	0	2	-1.30	0.78
31208	A	1	4	1.30	0.66
31208	B	0	5	1.39	0.44
31208	C	0	1	-1.17	0.00
31208	D	0	4	-0.81	1.55
31209	A	1	9	3.93	1.03
31209	B	0	4	2.47	2.03
31209	C	0	2	1.30	0.64
31209	D	0	1	-0.59	0.00
31210	A	1	10	1.78	0.39
31210	B	0	1	1.66	0.00
31210	C	0	3	-0.04	0.88
31210	D	0	2	0.37	0.95

Table 3
Test Forms: Number and Operations

Test Form	Order for Test	ITEM	Domain
1	1	10258	Developing an understanding of whole number relationships, including grouping in tens and ones
1	2	10203	Developing an understanding of whole number relationships, including grouping in tens and ones
1	3	10300	Developing an understanding of whole number relationships, including grouping in tens and ones
1	4	10331	Developing an understanding of whole number relationships, including grouping in tens and ones
1	5	30912	Developing an understanding of whole number relationships, including grouping in tens and ones
1	6	10363	Developing an understanding of whole number relationships, including grouping in tens and ones
1	7	10264	Developing an understanding of whole number relationships, including grouping in tens and ones
1	8	10011	Developing an understanding of whole number relationships, including grouping in tens and ones
1	9	10372	Developing an understanding of whole number relationships, including grouping in tens and ones
1	10	10277	Developing an understanding of whole number relationships, including grouping in tens and ones
1	11	10392	Developing an understanding of whole number relationships, including grouping in tens and ones
1	12	10357	Developing an understanding of whole number relationships, including grouping in tens and ones
1	13	10009	Developing an understanding of whole number relationships, including grouping in tens and ones
1	14	10227	Developing an understanding of whole number relationships, including grouping in tens and ones
1	15	30619	Developing an understanding of whole number relationships, including grouping in tens and ones
1	16	10211	Developing an understanding of whole number relationships, including grouping in tens and ones
2	1	10301	Developing an understanding of whole number relationships, including grouping in tens and ones
2	2	10350	Developing an understanding of whole number relationships, including grouping in tens and ones
2	3	10078	Developing an understanding of whole number relationships, including grouping in tens and ones
2	4	10007	Developing an understanding of whole number relationships, including grouping in tens and ones

2	5	10013	Developing an understanding of whole number relationships, including grouping in tens and ones
2	6	30457	Developing an understanding of whole number relationships, including grouping in tens and ones
2	7	10377	Developing an understanding of whole number relationships, including grouping in tens and ones
2	8	10021	Developing an understanding of whole number relationships, including grouping in tens and ones
2	9	10376	Developing an understanding of whole number relationships, including grouping in tens and ones
2	10	10354	Developing an understanding of whole number relationships, including grouping in tens and ones
2	11	10365	Developing an understanding of whole number relationships, including grouping in tens and ones
2	12	10330	Developing an understanding of whole number relationships, including grouping in tens and ones
2	13	10034	Developing an understanding of whole number relationships, including grouping in tens and ones
2	14	10234	Developing an understanding of whole number relationships, including grouping in tens and ones
2	15	10204	Developing an understanding of whole number relationships, including grouping in tens and ones
2	16	10256	Developing an understanding of whole number relationships, including grouping in tens and ones
3	1	10202	Developing an understanding of whole number relationships, including grouping in tens and ones
3	2	10082	Developing an understanding of whole number relationships, including grouping in tens and ones
3	3	10283	Developing an understanding of whole number relationships, including grouping in tens and ones
3	4	10161	Developing an understanding of whole number relationships, including grouping in tens and ones
3	5	10228	Developing an understanding of whole number relationships, including grouping in tens and ones
3	6	10369	Developing an understanding of whole number relationships, including grouping in tens and ones
3	7	10213	Developing an understanding of whole number relationships, including grouping in tens and ones
3	8	10148	Developing an understanding of whole number relationships, including grouping in tens and ones
3	9	10292	Developing an understanding of whole number relationships, including grouping in tens and ones
3	10	30601	Developing an understanding of whole number relationships, including grouping in tens and ones

3	11	10252	Developing an understanding of whole number relationships, including grouping in tens and ones
3	12	10298	Developing an understanding of whole number relationships, including grouping in tens and ones
3	13	10251	Developing an understanding of whole number relationships, including grouping in tens and ones
3	14	10122	Developing an understanding of whole number relationships, including grouping in tens and ones
3	15	10236	Developing an understanding of whole number relationships, including grouping in tens and ones
3	16	10373	Developing an understanding of whole number relationships, including grouping in tens and ones
4	1	10205	Developing an understanding of whole number relationships, including grouping in tens and ones
4	2	10334	Developing an understanding of whole number relationships, including grouping in tens and ones
4	3	10001	Developing an understanding of whole number relationships, including grouping in tens and ones
4	4	10309	Developing an understanding of whole number relationships, including grouping in tens and ones
4	5	30754	Developing an understanding of whole number relationships, including grouping in tens and ones
4	6	30458	Developing an understanding of whole number relationships, including grouping in tens and ones
4	7	10029	Developing an understanding of whole number relationships, including grouping in tens and ones
4	8	10015	Developing an understanding of whole number relationships, including grouping in tens and ones
4	9	10355	Developing an understanding of whole number relationships, including grouping in tens and ones
4	10	10210	Developing an understanding of whole number relationships, including grouping in tens and ones
4	11	10260	Developing an understanding of whole number relationships, including grouping in tens and ones
4	12	10108	Developing an understanding of whole number relationships, including grouping in tens and ones
4	13	10206	Developing an understanding of whole number relationships, including grouping in tens and ones
4	14	30609	Developing an understanding of whole number relationships, including grouping in tens and ones
4	15	10386	Developing an understanding of whole number relationships, including grouping in tens and ones
4	16	10083	Developing an understanding of whole number relationships, including grouping in tens and ones

5	1	10340	Developing an understanding of whole number relationships, including grouping in tens and ones
5	2	10353	Developing an understanding of whole number relationships, including grouping in tens and ones
5	3	10006	Developing an understanding of whole number relationships, including grouping in tens and ones
5	4	10339	Developing an understanding of whole number relationships, including grouping in tens and ones
5	6	10342	Developing an understanding of whole number relationships, including grouping in tens and ones
5	7	10109	Developing an understanding of whole number relationships, including grouping in tens and ones
5	8	10246	Developing an understanding of whole number relationships, including grouping in tens and ones
5	9	10208	Developing an understanding of whole number relationships, including grouping in tens and ones
5	10	10387	Developing an understanding of whole number relationships, including grouping in tens and ones
5	11	10196	Developing an understanding of whole number relationships, including grouping in tens and ones
5	12	10195	Developing an understanding of whole number relationships, including grouping in tens and ones
5	13	10243	Developing an understanding of whole number relationships, including grouping in tens and ones
5	14	30606	Developing an understanding of whole number relationships, including grouping in tens and ones
5	15	10325	Developing an understanding of whole number relationships, including grouping in tens and ones
5	16	10310	Developing an understanding of whole number relationships, including grouping in tens and ones
6	1	10147	Developing an understanding of whole number relationships, including grouping in tens and ones
6	2	10215	Developing an understanding of whole number relationships, including grouping in tens and ones
6	3	10343	Developing an understanding of whole number relationships, including grouping in tens and ones
6	4	10231	Developing an understanding of whole number relationships, including grouping in tens and ones
6	5	10159	Developing an understanding of whole number relationships, including grouping in tens and ones
6	6	10396	Developing an understanding of whole number relationships, including grouping in tens and ones
6	7	10163	Developing an understanding of whole number relationships, including grouping in tens and ones

6	8	10249	Developing an understanding of whole number relationships, including grouping in tens and ones
6	9	10276	Developing an understanding of whole number relationships, including grouping in tens and ones
6	10	10361	Developing an understanding of whole number relationships, including grouping in tens and ones
6	11	10223	Developing an understanding of whole number relationships, including grouping in tens and ones
6	12	10038	Developing an understanding of whole number relationships, including grouping in tens and ones
6	13	10250	Developing an understanding of whole number relationships, including grouping in tens and ones
6	14	10291	Developing an understanding of whole number relationships, including grouping in tens and ones
6	15	10360	Developing an understanding of whole number relationships, including grouping in tens and ones
6	16	10307	Developing an understanding of whole number relationships, including grouping in tens and ones
7	1	10202	Developing an understanding of whole number relationships, including grouping in tens and ones
7	2	10263	Developing an understanding of whole number relationships, including grouping in tens and ones
7	3	10272	Developing an understanding of whole number relationships, including grouping in tens and ones
7	4	10297	Developing an understanding of whole number relationships, including grouping in tens and ones
7	5	10245	Developing an understanding of whole number relationships, including grouping in tens and ones
7	6	10253	Developing an understanding of whole number relationships, including grouping in tens and ones
7	7	10106	Developing an understanding of whole number relationships, including grouping in tens and ones
7	8	10254	Developing an understanding of whole number relationships, including grouping in tens and ones
7	9	10045	Developing an understanding of whole number relationships, including grouping in tens and ones
7	10	10269	Developing an understanding of whole number relationships, including grouping in tens and ones
7	11	10010	Developing an understanding of whole number relationships, including grouping in tens and ones
7	12	10212	Developing an understanding of whole number relationships, including grouping in tens and ones
7	13	10328	Developing an understanding of whole number relationships, including grouping in tens and ones

7	14	10198	Developing an understanding of whole number relationships, including grouping in tens and ones
7	15	10053	Developing an understanding of whole number relationships, including grouping in tens and ones
7	16	10003	Developing an understanding of whole number relationships, including grouping in tens and ones
8	1	10205	Developing an understanding of whole number relationships, including grouping in tens and ones
8	2	10214	Developing an understanding of whole number relationships, including grouping in tens and ones
8	3	10311	Developing an understanding of whole number relationships, including grouping in tens and ones
8	4	10395	Developing an understanding of whole number relationships, including grouping in tens and ones
8	5	10028	Developing an understanding of whole number relationships, including grouping in tens and ones
8	6	10344	Developing an understanding of whole number relationships, including grouping in tens and ones
8	7	10271	Developing an understanding of whole number relationships, including grouping in tens and ones
8	8	10305	Developing an understanding of whole number relationships, including grouping in tens and ones
8	9	10088	Developing an understanding of whole number relationships, including grouping in tens and ones
8	10	10162	Developing an understanding of whole number relationships, including grouping in tens and ones
8	11	10303	Developing an understanding of whole number relationships, including grouping in tens and ones
8	12	10040	Developing an understanding of whole number relationships, including grouping in tens and ones
8	13	30907	Developing an understanding of whole number relationships, including grouping in tens and ones
8	14	30757	Developing an understanding of whole number relationships, including grouping in tens and ones
8	15	10090	Developing an understanding of whole number relationships, including grouping in tens and ones
8	16	10220	Developing an understanding of whole number relationships, including grouping in tens and ones
9	1	10004	Developing an understanding of whole number relationships, including grouping in tens and ones
9	2	10346	Developing an understanding of whole number relationships, including grouping in tens and ones
9	3	10312	Developing an understanding of whole number relationships, including grouping in tens and ones

9	4	10308	Developing an understanding of whole number relationships, including grouping in tens and ones
9	5	10117	Developing an understanding of whole number relationships, including grouping in tens and ones
9	5	10047	Developing an understanding of whole number relationships, including grouping in tens and ones
9	6	10394	Developing an understanding of whole number relationships, including grouping in tens and ones
9	7	10366	Developing an understanding of whole number relationships, including grouping in tens and ones
9	8	10023	Developing an understanding of whole number relationships, including grouping in tens and ones
9	9	30760	Developing an understanding of whole number relationships, including grouping in tens and ones
9	10	10051	Developing an understanding of whole number relationships, including grouping in tens and ones
9	11	10367	Developing an understanding of whole number relationships, including grouping in tens and ones
9	12	10014	Developing an understanding of whole number relationships, including grouping in tens and ones
9	13	10183	Developing an understanding of whole number relationships, including grouping in tens and ones
9	14	10385	Developing an understanding of whole number relationships, including grouping in tens and ones
9	15	10370	Developing an understanding of whole number relationships, including grouping in tens and ones
9	16	10400	Developing an understanding of whole number relationships, including grouping in tens and ones
10	1	10306	Developing an understanding of whole number relationships, including grouping in tens and ones
10	2	10089	Developing an understanding of whole number relationships, including grouping in tens and ones
10	3	10146	Developing an understanding of whole number relationships, including grouping in tens and ones
10	4	10295	Developing an understanding of whole number relationships, including grouping in tens and ones
10	5	10086	Developing an understanding of whole number relationships, including grouping in tens and ones
10	6	10375	Developing an understanding of whole number relationships, including grouping in tens and ones
10	7	10379	Developing an understanding of whole number relationships, including grouping in tens and ones
10	8	10337	Developing an understanding of whole number relationships, including grouping in tens and ones

10	9	10164	Developing an understanding of whole number relationships, including grouping in tens and ones
10	10	10042	Developing an understanding of whole number relationships, including grouping in tens and ones
10	11	10364	Developing an understanding of whole number relationships, including grouping in tens and ones
10	12	10024	Developing an understanding of whole number relationships, including grouping in tens and ones
10	13	10261	Developing an understanding of whole number relationships, including grouping in tens and ones
10	15	10290	Developing an understanding of whole number relationships, including grouping in tens and ones
10	16	10262	Developing an understanding of whole number relationships, including grouping in tens and ones
120	14	10383	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	1	10016	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	2	10304	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	3	10084	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	4	10142	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	5	10112	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	6	10238	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	7	10079	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	8	10282	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	8	10322	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	9	10378	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	10	10323	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	11	10149	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	12	10116	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	13	10329	Developing an understanding of whole number relationships, including grouping in tens and ones

BM1	14	10265	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	15	10020	Developing an understanding of whole number relationships, including grouping in tens and ones
BM1	16	10348	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	1	10335	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	2	10145	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	3	10209	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	4	10180	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	5	10225	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	6	10111	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	7	10273	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	8	10255	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	9	10399	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	10	10259	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	11	10216	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	12	10022	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	13	30756	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	14	10233	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	15	10121	Developing an understanding of whole number relationships, including grouping in tens and ones
BM2	16	10336	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	1	10338	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	2	10221	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	3	10002	Developing an understanding of whole number relationships, including grouping in tens and ones

BM3	4	10081	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	5	10046	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	6	10388	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	7	10345	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	9	10313	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	10	10139	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	11	10267	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	12	10374	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	13	10318	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	14	10230	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	15	10320	Developing an understanding of whole number relationships, including grouping in tens and ones
BM3	16	10201	Developing an understanding of whole number relationships, including grouping in tens and ones

BM3	14	10173	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
BM3	15	10068	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts
BM3	16	10169	Developing understandings of addition and subtraction and strategies for basic addition facts and related subtraction facts

Table 5
Test Forms: Geometry

Test Form	Order for Test	ITEM	Domain
1	1	30271	Composing and decomposing geometric shapes
1	2	10422	Composing and decomposing geometric shapes
1	3	31193	Composing and decomposing geometric shapes
1	4	30591	Composing and decomposing geometric shapes
1	5	10411	Composing and decomposing geometric shapes
1	6	31203	Composing and decomposing geometric shapes
1	7	30742	Composing and decomposing geometric shapes
1	8	10439	Composing and decomposing geometric shapes
1	9	10444	Composing and decomposing geometric shapes
1	10	30745	Composing and decomposing geometric shapes
1	11	30424	Composing and decomposing geometric shapes
1	12	30555	Composing and decomposing geometric shapes
1	13	30405	Composing and decomposing geometric shapes
1	14	10436	Composing and decomposing geometric shapes
1	15	10443	Composing and decomposing geometric shapes
1	16	30583	Composing and decomposing geometric shapes
2	1	30135	Composing and decomposing geometric shapes
2	2	10421	Composing and decomposing geometric shapes
2	3	30889	Composing and decomposing geometric shapes
2	4	30256	Composing and decomposing geometric shapes
2	5	30126	Composing and decomposing geometric shapes
2	6	30514	Composing and decomposing geometric shapes
2	7	10425	Composing and decomposing geometric shapes
2	8	10440	Composing and decomposing geometric shapes
2	9	31156	Composing and decomposing geometric shapes
2	10	30725	Composing and decomposing geometric shapes
2	11	30114	Composing and decomposing geometric shapes
2	12	10413	Composing and decomposing geometric shapes
2	13	31205	Composing and decomposing geometric shapes
2	14	10426	Composing and decomposing geometric shapes
2	15	10410	Composing and decomposing geometric shapes
2	16	30709	Composing and decomposing geometric shapes
3	1	10401	Composing and decomposing geometric shapes
3	2	30404	Composing and decomposing geometric shapes
3	3	30889	Composing and decomposing geometric shapes
3	4	30591	Composing and decomposing geometric shapes
3	5	10420	Composing and decomposing geometric shapes
3	6	30416	Composing and decomposing geometric shapes
3	7	10446	Composing and decomposing geometric shapes
3	8	30258	Composing and decomposing geometric shapes
3	9	30579	Composing and decomposing geometric shapes
3	10	30745	Composing and decomposing geometric shapes
3	11	30890	Composing and decomposing geometric shapes
3	12	30738	Composing and decomposing geometric shapes
3	13	30564	Composing and decomposing geometric shapes
3	14	31163	Composing and decomposing geometric shapes
3	15	30006	Composing and decomposing geometric shapes
3	16	30421	Composing and decomposing geometric shapes
4	1	30875	Composing and decomposing geometric shapes
4	2	30110	Composing and decomposing geometric shapes
4	3	31201	Composing and decomposing geometric shapes
4	4	30512	Composing and decomposing geometric shapes
4	5	30459	Composing and decomposing geometric shapes
4	6	30589	Composing and decomposing geometric shapes
4	7	30118	Composing and decomposing geometric shapes
4	8	10423	Composing and decomposing geometric shapes
4	9	31156	Composing and decomposing geometric shapes
4	10	30123	Composing and decomposing geometric shapes
4	11	30890	Composing and decomposing geometric shapes
4	12	10449	Composing and decomposing geometric shapes
4	13	30561	Composing and decomposing geometric shapes
4	14	31159	Composing and decomposing geometric shapes
4	15	10410	Composing and decomposing geometric shapes

4	16	30269	Composing and decomposing geometric shapes
5	1	30716	Composing and decomposing geometric shapes
5	2	10429	Composing and decomposing geometric shapes
5	3	31201	Composing and decomposing geometric shapes
5	4	30715	Composing and decomposing geometric shapes
5	6	10441	Composing and decomposing geometric shapes
5	7	31018	Composing and decomposing geometric shapes
5	8	10440	Composing and decomposing geometric shapes
5	9	30513	Composing and decomposing geometric shapes
5	10	30123	Composing and decomposing geometric shapes
5	11	31210	Composing and decomposing geometric shapes
5	12	10434	Composing and decomposing geometric shapes
5	13	10404	Composing and decomposing geometric shapes
5	14	30519	Composing and decomposing geometric shapes
5	15	10443	Composing and decomposing geometric shapes
5	16	30269	Composing and decomposing geometric shapes
6	1	10418	Composing and decomposing geometric shapes
6	2	30746	Composing and decomposing geometric shapes
6	3	30518	Composing and decomposing geometric shapes
6	4	30512	Composing and decomposing geometric shapes
6	5	10420	Composing and decomposing geometric shapes
6	6	30514	Composing and decomposing geometric shapes
6	7	30117	Composing and decomposing geometric shapes
6	8	30124	Composing and decomposing geometric shapes
6	9	31014	Composing and decomposing geometric shapes
6	10	31012	Composing and decomposing geometric shapes
6	11	30257	Composing and decomposing geometric shapes
6	12	10434	Composing and decomposing geometric shapes
6	13	10427	Composing and decomposing geometric shapes
6	14	10436	Composing and decomposing geometric shapes
6	15	30736	Composing and decomposing geometric shapes
6	16	30111	Composing and decomposing geometric shapes
7	1	10408	Composing and decomposing geometric shapes
7	2	10409	Composing and decomposing geometric shapes
7	3	30518	Composing and decomposing geometric shapes
7	4	30715	Composing and decomposing geometric shapes
7	5	30735	Composing and decomposing geometric shapes
7	6	10441	Composing and decomposing geometric shapes
7	7	30422	Composing and decomposing geometric shapes
7	8	30124	Composing and decomposing geometric shapes
7	9	30105	Composing and decomposing geometric shapes
7	10	31012	Composing and decomposing geometric shapes
7	11	30871	Composing and decomposing geometric shapes
7	12	10428	Composing and decomposing geometric shapes
7	13	30405	Composing and decomposing geometric shapes
7	14	10442	Composing and decomposing geometric shapes
7	15	30736	Composing and decomposing geometric shapes
7	16	30111	Composing and decomposing geometric shapes
8	1	30705	Composing and decomposing geometric shapes
8	2	10422	Composing and decomposing geometric shapes
8	3	30595	Composing and decomposing geometric shapes
8	4	30116	Composing and decomposing geometric shapes
8	5	10411	Composing and decomposing geometric shapes
8	6	31022	Composing and decomposing geometric shapes
8	7	31180	Composing and decomposing geometric shapes
8	8	10439	Composing and decomposing geometric shapes
8	9	10444	Composing and decomposing geometric shapes
8	10	30743	Composing and decomposing geometric shapes
8	11	30424	Composing and decomposing geometric shapes
8	12	30738	Composing and decomposing geometric shapes
8	13	10404	Composing and decomposing geometric shapes
8	14	30519	Composing and decomposing geometric shapes
8	15	31016	Composing and decomposing geometric shapes
8	16	30259	Composing and decomposing geometric shapes
9	1	10431	Composing and decomposing geometric shapes
9	2	10421	Composing and decomposing geometric shapes
9	3	30595	Composing and decomposing geometric shapes
9	4	30112	Composing and decomposing geometric shapes
9	5	30459	Composing and decomposing geometric shapes
9	5	30747	Composing and decomposing geometric shapes

9	6	31022	Composing and decomposing geometric shapes
9	7	30520	Composing and decomposing geometric shapes
9	8	31182	Composing and decomposing geometric shapes
9	9	30413	Composing and decomposing geometric shapes
9	10	30148	Composing and decomposing geometric shapes
9	11	31210	Composing and decomposing geometric shapes
9	12	10449	Composing and decomposing geometric shapes
9	13	30517	Composing and decomposing geometric shapes
9	14	10426	Composing and decomposing geometric shapes
9	15	30149	Composing and decomposing geometric shapes
9	16	30259	Composing and decomposing geometric shapes
10	1	10430	Composing and decomposing geometric shapes
10	2	30110	Composing and decomposing geometric shapes
10	3	30701	Composing and decomposing geometric shapes
10	4	30116	Composing and decomposing geometric shapes
10	5	10435	Composing and decomposing geometric shapes
10	6	30419	Composing and decomposing geometric shapes
10	7	30557	Composing and decomposing geometric shapes
10	8	30724	Composing and decomposing geometric shapes
10	9	30579	Composing and decomposing geometric shapes
10	10	30743	Composing and decomposing geometric shapes
10	11	30257	Composing and decomposing geometric shapes
10	12	30555	Composing and decomposing geometric shapes
10	13	10427	Composing and decomposing geometric shapes
10	15	31016	Composing and decomposing geometric shapes
10	16	30598	Composing and decomposing geometric shapes
120	14	30417	Composing and decomposing geometric shapes
BM1	1	31160	Composing and decomposing geometric shapes
BM1	2	10429	Composing and decomposing geometric shapes
BM1	3	31193	Composing and decomposing geometric shapes
BM1	4	30112	Composing and decomposing geometric shapes
BM1	5	10435	Composing and decomposing geometric shapes
BM1	6	31203	Composing and decomposing geometric shapes
BM1	7	30406	Composing and decomposing geometric shapes
BM1	8	31182	Composing and decomposing geometric shapes
BM1	8	30258	Composing and decomposing geometric shapes
BM1	9	30413	Composing and decomposing geometric shapes
BM1	10	30725	Composing and decomposing geometric shapes
BM1	11	10415	Composing and decomposing geometric shapes
BM1	12	10428	Composing and decomposing geometric shapes
BM1	13	30561	Composing and decomposing geometric shapes
BM1	14	31163	Composing and decomposing geometric shapes
BM1	15	31208	Composing and decomposing geometric shapes
BM1	16	30598	Composing and decomposing geometric shapes
BM2	1	30594	Composing and decomposing geometric shapes
BM2	2	30746	Composing and decomposing geometric shapes
BM2	3	30701	Composing and decomposing geometric shapes
BM2	4	30256	Composing and decomposing geometric shapes
BM2	5	30747	Composing and decomposing geometric shapes
BM2	6	30416	Composing and decomposing geometric shapes
BM2	7	10403	Composing and decomposing geometric shapes
BM2	8	30724	Composing and decomposing geometric shapes
BM2	9	31014	Composing and decomposing geometric shapes
BM2	10	30707	Composing and decomposing geometric shapes
BM2	11	30871	Composing and decomposing geometric shapes
BM2	12	10413	Composing and decomposing geometric shapes
BM2	13	31205	Composing and decomposing geometric shapes
BM2	14	30417	Composing and decomposing geometric shapes
BM2	15	30006	Composing and decomposing geometric shapes
BM2	16	30583	Composing and decomposing geometric shapes
BM3	1	31186	Composing and decomposing geometric shapes
BM3	2	10409	Composing and decomposing geometric shapes
BM3	3	31001	Composing and decomposing geometric shapes
BM3	4	31021	Composing and decomposing geometric shapes
BM3	5	30126	Composing and decomposing geometric shapes
BM3	6	30419	Composing and decomposing geometric shapes
BM3	7	10432	Composing and decomposing geometric shapes
BM3	9	30105	Composing and decomposing geometric shapes
BM3	10	30148	Composing and decomposing geometric shapes
BM3	11	30114	Composing and decomposing geometric shapes

BM3	12	30517	Composing and decomposing geometric shapes
BM3	13	30564	Composing and decomposing geometric shapes
BM3	14	31159	Composing and decomposing geometric shapes
BM3	15	30149	Composing and decomposing geometric shapes
BM3	16	30421	Composing and decomposing geometric shapes

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