



Dynamic Indicators of Basic Early Literacy Skills

8th Edition

Maze Benchmark

Grade 7

Student Materials

Name: _____ Date: _____

Practice Passage

Tom goes to a school far from his house. Every morning, he takes a school

art
bus
work

 to go to school. In the

afternoon
library
morning

, he also takes a bus home.



Correct: _____

Incorrect: _____

Adjusted Score: _____

Fireflies

Do fireflies live near you? If so, you would see them at if the twilight in the summer.

Fireflies are a his it type of winged beetle that lights from in up like a small lamp. Their

abdomens burn check light up to warn predators, attract prey, for if or attract mates. There are around

2,000 humans wagons species of fireflies. However, fireflies all over her round the world are endangered and

their populations are exit stop falling. It is now increasingly rare as for to see them on summer

nights.

Fireflies live melt swim in temperate and tropical climates in cruel fat wet, wooded areas. So

you are more desirous likely slowly to see them if you live for in to the countryside or in a wooded

castle highway suburb than in a city. They hibernate in off upon winter by burrowing underground or

under him my the bark of trees. In the spring, its her they emerge and begin feeding. They like as go to

Keep going



live near streams or ponds where **full** **least** young will have lots of sources **in** **of** food. Their **the** **their** diets are varied. Some **frogs** **plants** eat slugs and snails while some **dance** **feed** on just plant **watch** **species** nectar.

The ability **for** **on** light up is enabled by a **chemical** **laboratory** process called **magical** **to** bioluminescence. The enzyme luciferase **acts** **gazes** on a compound called luciferin in **hates** **the** **very** presence of oxygen and other chemical **elements** **candies** **sayings** **with** **him** **by** in **my** firefly's abdomen. Fireflies flash these lights **in** **to** patterns to attract mates or **the** **In** **Out** **Such** some areas of the world, swarms **in** **of** **the** fireflies have been observed to flash **head** **him** **their** lights in unison. For example, the Thailand **firefly** **pattern** **whirl** synchronizes itself perfectly **are** **it** **so** to other fireflies that large groups of fireflies flash **any** **during** **their** lights on and off at the

Keep going



last ceremony are
 most time. If you stand on a riverbank in Southeast Asia at dusk, you can see
 same skyscraper try
 these fireflies light up an entire mangrove forest by switching on their dusks
 inside lights at the
 ugly phones
 same instant then turning him them off at the same instant. People haven't
 when they'll seen these
 who've
 effect mountain is beautiful and uncanny. Scientists are over
 photo quick unsure
 still
 why they engage in this behavior conspiracy But they have figured out how ever
 government no fireflies do
 the

it, if not why.

Amylase
 Luciferase
 Substance, the enzyme that is key to if
 my firefly's light, has been manufactured
 the
 through genetic engineering in labs. This synthetic enzyme can
 magnetic for then be inserted
 robotic give
 many into cells in order to observe cell processes like the formation
 that headache of tumors. The cells
 retirement
 will express friendship luciferase under certain conditions and scientists can speak
 sympathy taste in real-time
 watch

Keep going



how cells change and enable
grow
mark

These processes might also have applications by for the production of sustainable
on

light sources. Duck Hall material could be engineered to contain bioluminescent bacteria.
Plant

If city
Near glowing trees might replace streetlamps on dump streets!
Then house

Unfortunately, firefly populations seem to be have dwindling across the globe. Since
want

they require dark, wet, and wooded areas to reproduce and eat, deforestation in many areas

is leading to their decline.



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Archimedes

Archimedes was a Greek mathematician, inventor, astronomer, and philosopher.

He was born in the Greek city-state **all** **her** **of** Syracuse over two thousand years ago.

Syracuse **helps** **lies** **says** on the coast of Sicily, an **avocado** **island** **opening** in the Ionian Sea that is **now** **old** **than**

part of Italy. Very little is **held** **known** **played** about Archimedes' life. A biography that **did** **fell** **was** written

by a friend of his **had** **lived** **was** lost. We believe that his father **came** **tried** **was** an astronomer. He may

have spent **big** **rare** **some** time studying in Alexandria, in Egypt, **an** **for** **my** important seat of

learning and scholarship **full** **in** **so** the ancient world. He spent most **end** **of** **the** his life in Syracuse,

but his **ancestors** **infection** **reputation** spread all over the ancient world.

Even **How** **Very** though Archimedes invented many machines, studied **as** **her** **the** night-time

sky, and philosophized, mathematics was **his** **they** **us** greatest love and the subject he

Keep going



covered
dressed
strapped

in his essays. He discovered formulas

for
off
we

the surface area and volume of

a
it
on

sphere. He calculated the value of pi,

for
my
the

number that describes the ratio of

a
his
lot

circle's circumference to its diameter. He

howled
jogged
worked

on the concept of infinity. He

complained
developed
installed

a system for estimating the number

as
for
of

grains of sand it would take

by
from
to

fill the universe.

colorful
rigorous
sweaty

His math was

and precise, and meets modern-day standards

any
for
the

geometry and calculus. He also had

a
it
she

great mechanical mind. His knowledge

checkers
mechanics
pressures

of

showed itself in his mathematical work,

and
by
not

also in the machines he

caught
grown
known

was

for during his lifetime. He explained

all
the

how levers work, designed pulley

destroyed
improved
triggered

systems, and

the catapult.

Keep going



For much of Archimedes' **delay** **heart** **life**, Rome and Carthage were at war **only** **down** **with** each other, and fought for control **but** **next** **of** Sicily. Archimedes designed war machines to **defend** **offend** **resolve** Syracuse. He made catapults, and something **called** **designed** **yelled** a claw, which may have been **a** **her** **no** kind of crane with a grappling **bird** **hook** **thread** at the end that could attack **ships** **trains** **waves** on the sea from inside the **city** **house** **sky** walls. He may have invented giant **dolphins** **mirrors** **paints** that could use the reflected rays **far** **of** **up** the sun to set ships on **call** **dinner** **fire**. For two years, Rome had Syracuse **but** **near** **with** siege. Syracuse held the Romans off, **from** **how** **who** the city fell in the end. **Far** **Little** **There** are several competing versions of exactly **campaign** **historian** **statement** Archimedes died. According to a Roman **considerate** **frictionless** **mathematical** **into** **much** **often** diagram when the Roman troops marched **into** **much** **often** Syracuse. A soldier

Keep going



commanded him to: **come** **flee** **throw** with him to meet the General, **but** **how** **that** Archimedes refused

because he was absorbed: **and** **in** **to** his diagram. The soldier drew his: **graph** **picture** **sword** and killed

Archimedes. In some accounts, Archimedes' **dark** **last** **young** words to the Roman soldier who

drew **killed** **soaked** him were, "Do not disturb my **circles** **lashes** **machines**."

A circle and a sphere were: **emptied** **placed** **taken** on Archimedes' tomb. Eventually, the location

of the tomb was forgotten, and archaeologists have yet to find it.



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The Day the Sky Turned Black

My parents told me in July that the solar eclipse that was going to happen in August

was a very rare event. A solar eclipse is when the **ink** **moon** **spot** appears to completely blot out

dark **the** **night** **sun** For this eclipse, in some parts **and** **of** **on** the United States the sun would **be** **tell** **want**

completely covered by the moon, although **he** **it** **now** would only be a partial eclipse **how** **place** **where**

we live. After my parents mentioned **him** **it** **sun**, it seemed like everyone was talking **about** **little** **within**

it and I wanted to know **more** **over** **some**, so I did some reading.

called **I** **read** **said** that in ancient times people were **calmly** **near** **often** terrified of full solar eclipses.

Since **him** **they** **what** did not understand what was happening **all** **for** **to** the sun, people in many

cultures **created** **forced** **heard** elaborate myths and stories to explain **computers** **eclipses** **rockets**. Usually in these

myths and stories **absent** **much** **some** animal, dragon or demon would try **go** **to** **we** eat the sun. People

Keep going



would go forever outside and bang on drums or ring bells ears until the animal or the demon upstairs rungs

began swallowing the sun and let it go ask Then they could relax again until first soft the created stopped snow

next eclipse, when they would have some to rescue the sun all over again. with

He I imagined that when night suddenly fell in next the middle of the day, the Who up

confidence performance would drop and the stars would blow come out. Babies, and people who temperature die

heard about the eclipse, would weep and dance record with fear. Birds would fly hadn't played showed tremble

into ever if trees, cats would go out hunting, and even dogs would curl up in their dropping running sleeping the no

places. Even though people now are most not sophisticated to believe that a monster back or with too

beast had eaten or stolen the food jar sun, a terrible feeling of impending evil had through be felt would

on the streets. Maybe as he sounds weird, but I was excited in so experience this feeling, it to

Keep going



especially since I **broke** it wouldn't last long. I thought **and** once the sunlight started **but** that

to come **back** just now, there would be a feeling of **fear** good **triumphing** over evil. **sorry**

On the morning **from** of the day of the eclipse, my **beast** dad and I made a viewer **with** sun
out **by** in a cereal box. We cut off **first** his top, glued a piece of white **light** noise to the bottom, **paper** of

covered half the **eclipse** mouth with a piece of aluminum foil, **and** but poked a hole in the foil **that** opening

free on a pin. Then we had to **fear** spill wait **with**

When the eclipse started, we took **none** only viewer out to the balcony, and **cast** stood yelled **the**

with our backs to the sun. **If** No adjusted the viewer until the sun **caused** shone through the **We** wept

pinhole and made a **discipline** mythology on the white paper on the **bottom** course of the box. It was **reflection** writer

very **dark** gone, and looked like if you had **beat** cut a cookie with a circular cutter, **and** but there **tiny** won

Keep going



used the cutter to take a my little chunk out of the side.
no

At Mid the peak of the eclipse the box dad turned a bit gray. Our cat curled faced no
Out took

notice whatsoever, and the construction: liars singers in the alley continued with their
workers

foil magic undeterred, as though nothing was happening. But It I was fascinated. I can't
work So

wait to see another eclipse!

