



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** twilight in the **if** the summer. Fireflies are **a** **his** type of winged beetle that lights **from** like a small lamp. **in** **up** Their abdomens **burn** up to warn predators, attract prey, **for** attract mates. There are **check** **light** around 2,000 **humans** species of fireflies. However, fireflies all over **her** world are **wagons** **the** endangered and their populations **are** falling. It is now increasingly rare **for** see them **exit** **stop** **as** **to** on summer nights.

Fireflies **live** in temperate and tropical climates in **cruel** **fat** **wet** , wooded areas. So you are more **desirous** **likely** to see them if you live **for** **in** the countryside or in a **to** 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

Keep going 

as go to live near streams or ponds where full least their young will have lots of sources in of the food.

Their diets are varied. Some frogs plants species eat slugs and snails while some dance feed watch on just

plant nectar.

The ability for on to light up is enabled by a chemical laboratory magical process called

bioluminescence. The enzyme luciferase acts gazes hates on a compound called luciferin in the very with

presence of oxygen and other chemical candies elements sayings . This is what produces light in him my the

firefly's abdomen. Fireflies flash these lights by in to patterns to attract mates or prey. 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 to other

fireflies are it so that large groups of fireflies flash any during their lights on and off at the last most same

Keep going 

time. If you stand on a ceremony riverbank skyscraper in Southeast Asia at dusk, you are can try see these fireflies

light up an entire inside ugly mangrove forest by switching on their dusks lights phones at the same instant

then turning him them when off at the same instant. People haven't they'll who've seen these fireflies say that

the effect mountain photo is beautiful and uncanny. Scientists are over quick still unsure why they engage

in this behavior conspiracy government . But they have figured out how ever no the fireflies do it, if not why.

Amylase Luciferase Substance , the enzyme that is key to if my the firefly's light, has been

manufactured through genetic magnetic robotic engineering in labs. This synthetic enzyme can for give then

be inserted into cells in many order that to observe cell processes like the formation headache retirement of tumors.

The cells will express friendship luciferase sympathy under certain conditions and scientists can speak taste watch in

real-time how cells change and enable grow mark .

Keep going 

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

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

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

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

globe. Since 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 **covered** **dressed** **strapped**

Keep going 

in his essays. He discovered formulas **for** the surface area and volume of **a** sphere.

He calculated the value of pi, **for** number that describes the ratio of **a** circle's

circumference to its diameter. He **howled** on the concept of infinity. He **complained** a

system for estimating the number **as** grains of sand it would take **by** fill the universe.

His math was **colorful** and precise, and meets modern-day standards **any**

geometry and calculus. He also had **it** great mechanical mind. His knowledge of

checkers showed itself in his mathematical work, **and** also in the machines he was

caught for during his lifetime. He explained **all** levers work, designed pulley

systems, and **destroyed** the catapult.

For much of Archimedes' **heart**, Rome and Carthage were at war **down** each

Keep going 

other, and fought for control **but** **next** 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

above **around** **under** siege. Syracuse held the Romans off, **but** **near** **with** the city fell in the end.

Far **Little** **There** are several competing versions of exactly **from** **how** **who** Archimedes died.

According to a Roman **campaign** **historian** **statement** named Plutarch, Archimedes was studying a

considerate **frictionless** **mathematical** diagram when the Roman troops marched **into** **much** **often** Syracuse. A soldier

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

Keep going 

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

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

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

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

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

the **dark** **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.

I **called** **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** **upstairs** and bang on drums or ring **bells** **ears** **rungs** until the animal or the demon

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

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

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

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

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

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

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

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

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

Keep going 

especially since I **broke** **knew** **was** it wouldn't last long. I thought **and** **but** **that** once the sunlight started to come **back** **just** **now**, there would be a feeling of **fear** **good** **sorry** triumphing over evil.

On the morning **from** **of** **with** the day of the eclipse, my **beast** **dad** **sun** and I made a viewer out **by** **in** **of** a cereal box. We cut off **first** **his** **the** top, glued a piece of white **light** **noise** **paper** to the bottom, covered half the **eclipse** **mouth** **opening** with a piece of aluminum foil, **and** **but** **that** poked a hole in the foil **free** **on** **with** a pin. Then we had to **fear** **spill** **wait**.

When the eclipse started, we took **none** **only** **the** viewer out to the balcony, and **cast** **stood** **yelled** with our backs to the sun. **If** **No** **We** adjusted the viewer until the sun **caused** **shone** **wept** through the pinhole and made a **discipline** **mythology** **reflection** on the white paper on the **bottom** **course** **writer** of the box. It was very **dark** **gone** **tiny**, and looked like if you had **beat** **cut** **won** a cookie with a circular cutter, **and** **but** **there**

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
Out dad turned a bit gray. Our cat curled
took faced no

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

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

wait to see another eclipse!

