



Dynamic Indicators of Basic Early Literacy Skills
8th Edition

Australasian Version

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 summer.

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

abdomens **burn** up to warn predators, attract prey, **if** attract mates. There are around

2,000 **species** of fireflies. However, fireflies all over **her** world are endangered and

their populations **are** falling. It is now increasingly rare **as** see them on summer

nights.

Fireflies **live** in temperate and tropical climates in **fat**, wooded areas. So

you are more **likely** to see them if you live **in** the countryside or in a wooded

castle than in a city. They hibernate **in** winter by burrowing underground or

under **my** bark of trees. In the spring, **her** emerge and begin feeding. They like **go**

Keep going



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 **elements** **lollies** **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** synchronises itself perfectly

to other fireflies **are** **it** **so** that large groups of fireflies flash **any** **during** **their** lights on and off at the

Keep going 

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

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 engineering in labs. This synthetic enzyme can for then
 robotic give
 be inserted into cells in many order to observe cell processes like the formation headache of tumours.
 that retirement
 The cells will express friendship luciferase under certain conditions and scientists can speak taste in
 sympathy watch

Keep going 

real-time how cells change and enable
grow
mark .

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 philosophised, 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.

His calculations were

colourful
rigorous
sweaty

and precise, and met modern day standards

any
for
the

geometry and calculus. He also had

a
it
she

great mechanical mind. His knowledge of

checkers
mechanics
pressures

showed itself in his mathematical work,

and
by
not

also in the machines he was

caught
grown
known

for during his lifetime. He explained

all
how
the

levers work, designed pulley

systems, and

destroyed
improved
triggered

the catapult.

Keep going 

For much of Archimedes' **delay**, Rome and Carthage were at war **down** each **only** **with**

other, and fought for control **but** **next** Sicily. Archimedes designed war machines to **defend** **offend** **resolve**

Syracuse. He made catapults, and something **called** **designed** a claw, which may have been **yelled**

a kind of crane with a grappling **bird** **hook** at the end that could attack **ships** **trains** **on** **no** **waves**

the sea from inside the **city** **house** walls. He may have invented giant **dolphins** **mirrors** **paints** that could **sky**

use the reflected rays **far** **of** the sun to set ships on **call** **dinner** **fire**. For two years, Rome had **up**

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

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 the **dark night sun**. For this eclipse, in some parts **and of on** the world 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 aluminium 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 we had **beat** **cut** **won** a cookie with a circular cutter, **and** **but** **there** used

Keep going 

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 grey. Our cat curled
took no
liars
notice whatsoever, and the construction 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!

