



Dynamic Indicators of Basic Early Literacy Skills  
8<sup>th</sup> Edition

*Maze* Benchmark MOY

Grade 7

Student Materials



Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Practice Passage

Tom goes to a school far from his house. Every morning, he takes a school \_\_\_\_\_ to go to school. In the \_\_\_\_\_, he also takes a bus home.



Correct: \_\_\_\_\_

Incorrect: \_\_\_\_\_

Adjusted Score: \_\_\_\_\_

## Archimedes

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

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

Syracuse on the coast of Sicily, an in the Ionian Sea that is

part of Italy. Very little is about Archimedes' life. A biography that written

by a friend of his lost. We believe that his father an astronomer. He may

have spent time studying in Alexandria, in Egypt, important seat of

learning and scholarship the ancient world. He spent most his life in Syracuse,

but his spread all over the ancient world.

though Archimedes invented many machines, studied night-time

sky, and philosophized, mathematics was greatest love and the subject he

**Keep going** 

in his essays. He discovered formulas the surface area and volume of  
sphere. He calculated the value of pi, number that describes the ratio of  
circle's circumference to its diameter. He on the concept of infinity. He  
a system for estimating the number grains of sand it would take  
fill the universe.  
His math was and precise, and meets modern-day standards  
geometry and calculus. He also had great mechanical mind. His knowledge  
of showed itself in his mathematical work, also in the machines he was  
for during his lifetime. He explained levers work, designed pulley  
systems, and the catapult.

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For much of Archimedes' \_\_\_\_\_, Rome and Carthage were at war \_\_\_\_\_ each other, and fought for control \_\_\_\_\_ Sicily. Archimedes designed war machines to \_\_\_\_\_ Syracuse. He made catapults, and something \_\_\_\_\_ a claw, which may have been \_\_\_\_\_ kind of crane with a grappling \_\_\_\_\_ at the end that could attack \_\_\_\_\_ on the sea from inside the \_\_\_\_\_ walls. He may have invented giant \_\_\_\_\_ that could use the reflected rays \_\_\_\_\_ the sun to set ships on \_\_\_\_\_ . For two years, Rome had \_\_\_\_\_ Syracuse \_\_\_\_\_ siege. Syracuse held the Romans off, \_\_\_\_\_ the city fell in the end. \_\_\_\_\_ are several competing versions of exactly \_\_\_\_\_ Archimedes died.

According to a Roman \_\_\_\_\_ named Plutarch, Archimedes was studying a \_\_\_\_\_ diagram when the Roman troops marched \_\_\_\_\_ Syracuse. A soldier

**Keep going** 

commanded him to \_\_\_\_\_ with him to meet the General, \_\_\_\_\_ Archimedes refused

because he was absorbed \_\_\_\_\_ his diagram. The soldier drew his \_\_\_\_\_ and killed

Archimedes. In some accounts, Archimedes' \_\_\_\_\_ words to the Roman soldier who

him were, "Do not disturb my \_\_\_\_\_."

A circle and a sphere were \_\_\_\_\_ on Archimedes' tomb. Eventually, the location

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

