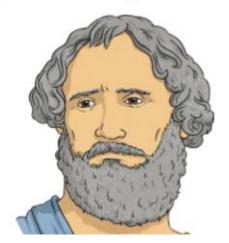
Archimedes

- 10 Archimedes lived from 287BC to 212BC in Sicily. He was
- 19 a Greek mathematician who devoted his life to research.
- 27 His most famous discovery possibly happened in the
- 35 bath! He discovered the law of buoyancy (Archimedes'
- 47 Principle). If the weight of an object in water is less than
- 58 the water, then the object rises. If the object is heavier
- 70 than the displaced water, it will sink. If it is equal then
- 84 it will neither sink nor rise; it will float, like a boat. It is
- 93 said (although not actually written in his journal) that
- Julia (attitudgit not actually written in his journal) that
- 104 he was so excited, he jumped out of the bath shouting
- 113 "Eureka!" (meaning, "I have found it!"), a common phrase
- 119 used today when discovering an answer.



Quick Questions



1. Which word means the same as 'loyal'?



2. In which year did he die? How old was Archimedes when he died?



 Find two phrases that tell you how committed Archimedes was to his work, explaining your choices.



4. Why does the author use the phrases 'possibly' and 'It is said...'?

Spelling

Stage: 6	Challenge Words
List: 6	Name:



Spellings	1 st Attempt	2 nd Attempt	3 rd Attempt	4 th Attempt	5 th Attempt
amateur					
category					-
correspond					
environment					0
frequently					7
<mark>lan</mark> guage					6
occur	111111			SO SID	
queue					
signature					
twelfth					

Stage: 6	Challenge Words		
List: 6	Name:		3
Spellings		Use a dictionary to find out what your spellings me Create your own definition for 5 of your words.	



		Use a dictionary to find out what your spellings mean. Create your own definition for 5 of your words.	
Spellings	Your word	Your definition	
amateur		. 55 25	
category			
correspond			
environment			
frequently			
<u>language</u>			
occur			
queue			
signature			
twelfth			

Compare the following fractions by using > or <.



$$\frac{3}{4} \bigcirc \frac{1}{4}$$



$$\frac{2}{5}$$
 \bigcirc $\frac{1}{5}$

$$\frac{1}{3} \bigcirc \frac{1}{5}$$

$$\frac{2}{6} \bigcirc \frac{5}{6}$$

$$\frac{1}{8} \bigcirc \frac{2}{8}$$

$$\frac{1}{2} \bigcirc \frac{1}{3}$$

$$\frac{1}{6}$$
 \bigcirc $\frac{1}{5}$

$$\frac{3}{5}$$
 \bigcirc $\frac{3}{10}$

$$\frac{2}{7} \bigcirc \frac{2}{6}$$

$$\frac{1}{3} \bigcirc \frac{1}{8}$$

$$\frac{2}{5}$$
 \bigcirc $\frac{2}{6}$

$$\frac{1}{4} \bigcirc \frac{1}{4}$$

$$\frac{3}{7} \bigcirc \frac{3}{5}$$

$$\frac{1}{8} \bigcirc \frac{1}{3}$$

$$\frac{7}{9} \bigcirc \frac{5}{9}$$

$$\frac{2}{3}$$
 \bigcirc $\frac{2}{2}$

$$\frac{2}{3}$$
 \bigcirc $\frac{0}{3}$

$$\frac{1}{5}$$
 \bigcirc $\frac{1}{2}$

$$\frac{2}{6}$$
 \bigcirc $\frac{2}{3}$

$$\frac{1}{8} \bigcirc \frac{1}{6}$$

$$\frac{2}{5}$$
 \bigcirc $\frac{2}{3}$

$$\frac{2}{4} \bigcirc \frac{2}{8}$$

