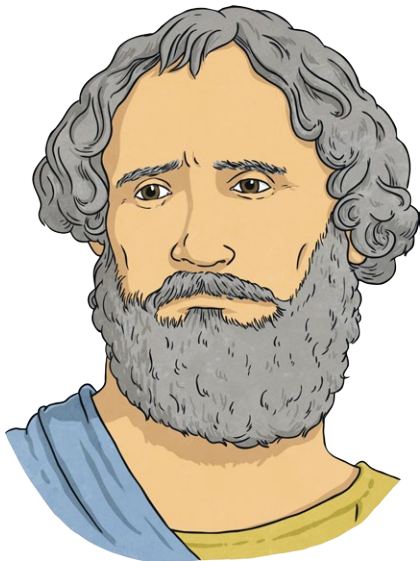


Archimedes

- 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
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?



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

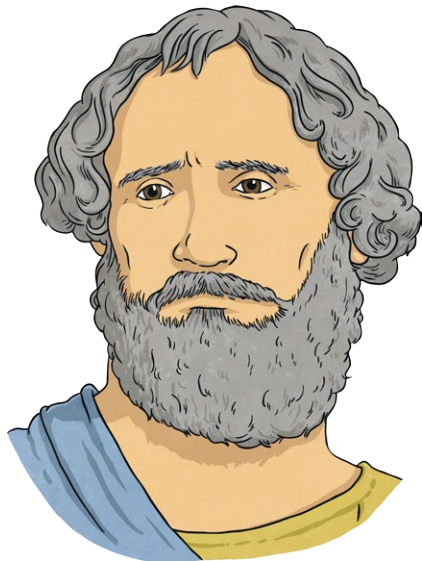


4. Why does the author use the phrases 'possibly' and 'It is said...'?

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Answers



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

Accept: devoted.



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

Accept: 212BC and 75 years old.



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

Accept reference to 'devoted his life' and 'in the bath' with explanation of how this shows he worked all the time.



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

Accept any explanation stating that this happened a long time ago and this gives the impression that we don't know for sure / it was not actually recorded in his writings.