



# ARCHIMEDES



## WHO WAS ARCHIMEDES?

Archimedes was a famous mathematician, inventor, and scientist from Ancient Greece. He was born in 287 BCE in the city of Syracuse, which was located on the island of Sicily. This was a long time ago, more than 2,000 years!

## GROWING UP IN SYRACUSE

Syracuse was a busy city with many people who enjoyed learning about science, mathematics, and engineering. Archimedes' family encouraged him to study, and he became very curious about how the world worked. He spent much of his time solving problems and exploring new ideas.

## ARCHIMEDES AND MATHEMATICS

Archimedes loved mathematics. He discovered new ways to calculate areas, volumes, and shapes. One of his most famous ideas was about circles. He showed how to find the area of a circle using its diameter. His work helped future mathematicians for hundreds of years.

## THE ARCHIMEDES PRINCIPLE

One day, Archimedes made an important discovery while taking a bath! He noticed how water moved and realised he could measure the volume of objects by how much water they displaced. This idea is now called the "Archimedes Principle". People still use it today to build ships and understand floating objects.

## INVENTOR AND ENGINEER

Archimedes was not just good at mathematics; he was also an inventor. He created machines like pulleys and levers to help lift heavy objects. He even designed tools to defend his city from enemies. His inventions showed how science could make life easier.

## HIS LASTING LEGACY

Archimedes died in 212 BCE, but his discoveries and inventions are still remembered today. Scientists, engineers, and mathematicians all over the world study his work. He showed that curiosity and creativity can lead to amazing achievements.



## FUN FACT

Archimedes was so excited when he discovered the Archimedes Principle that he shouted, "Eureka!" This means "I have found it!" in Greek.

Archimedes' ideas continue to inspire people, proving that learning and imagination can change the world.

## FIND OUT MORE...

[Archimedes facts for kids](#)

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### EXAMPLE QUESTIONS:

1. Where was Archimedes born, and in what year?
2. What is the Archimedes Principle, and how did he discover it?
3. What kinds of machines did Archimedes invent, and what were they used for?
4. Why is Archimedes remembered as an important mathematician and inventor?
5. What does the word "Eureka" mean, and when did Archimedes say it?