

## Think



- What are these?
- Where might you find them?
- Why are they there?
- How many do you think there are?



## Respond



While walking along the beach, you notice something in the rocks. It's an ammonite, but there is something unusual about it. As you get closer, you're sure it is whispering your name...

Describe what happens next. You could use the first or third person.

## Discuss



Fossils such as these are found regularly and have helped us to learn about the past and evolution. Is it important to understand where we have come from and what the past contained? Is it more important to focus on where we are now and where we are heading in the future? Do fossils have any relevance to our lives today?

## Solve



Jayden has a collection of fossils, including ammonites. She weighed some of her fossils and noticed there was a pattern. The first she weighed was 900g and measured 18cm tall, the next was 2.5cm tall and 125g, the third 630g and 12.6cm tall. What was the pattern she noticed?

## Discover



**Fact:** Ammonites, like the ones in the picture, became extinct at the same time as the dinosaurs, around 65 million years ago.

**Question:** What happened to them and the dinosaurs? What happened to the Earth 65 million years ago? Research all that you can and then hold a class discussion. What evidence do you have to support your theories?

## Reimagine



Can you draw a pattern inspired by the picture? Does it remind you of anything?

# Fossils Answers

**What was the pattern she noticed?**

When she divided the weight by the height, this is the pattern she found:

$$900\text{g} \div 18\text{cm} = 50\text{g per cm}$$

$$125\text{g} \div 2.5\text{cm} = 50\text{g per cm}$$

$$630\text{g} \div 12.6\text{cm} = 50\text{g per cm}$$