

Friday 22nd January 2021

Red Group Challenge

I am so proud of all the work you have completed this week. You are all doing extremely well!

Today I would like you to choose either challenge below to complete.

Mastery

A scientist measures the depth of some objects below the surface of the sea. She records her measurements using negative numbers.

Object	Depth
Coral reef	-2 m
Shipwreck	-11 m
Pirate treasure	four times as deep as the coral reef
Sleeping shark	3 metres above the shipwreck

Which object is deepest? Explain your choice.

Is the sleeping shark deeper than the pirate treasure? Explain your reasoning.

A seagull is hovering 1 m above the surface of the sea. How far apart are the seagull and the coral reef?

Mastery with Greater Depth

A scientist measured the temperature each day for one week at 06:00.

On Sunday the temperature was 1.6°C .

On Monday the temperature had fallen by 3°C .

On Tuesday the temperature had fallen by 2.1°C .

On Wednesday the temperature had risen by 1.6°C .

On Thursday the temperature had risen by 4.2°C .

On Friday the temperature had fallen by 0.9°C .

On Saturday the temperature had risen by 0.2°C .

What was the temperature on Saturday?