

JURASSIC Detectives

Tom & Mina
have
The Answers

Baffling Belemnites

- Q1** They have 10 arms with hooks on them for catching their prey.
- Q2** Belemnites used ink as a form of defence to squirt in the water to hide itself from predators.
- Q3** 'Belemnion' means 'Dart' or 'Javelin'. People believed they were objects thrown down from heaven, some even thought they were thunderbolts.



Charmouth
Heritage
Coast Centre

Ichthyosaur Jigsaw

- Q1** A - Flipper or 'Paddle' bones.
B - Teeth
C - Rib bones
D - Back bones or vertebrae
- Q2** Mary Anning discovered her first fossil Ichthyosaur on the beach between Lyme Regis and Charmouth when she was 12.
- Q3** An optical bone helped their eyes to withstand the pressure in the deep ocean.

Astonishing Ammonites

- Q1** A similar shape with a coiled shell and lots of arms but the shell of the Nautilus is smoother and has less coils.
- Q2** They could have any colour or patterns. There is some evidence that they may have been shiny or iridescent.
- Q3** They released gas and also pumped water into their shells in order to sink.

Something Fishy

- Q1** Jurassic fish could have been any colour, and highly patterned just like modern day tropical fish.
- Q2** The dark, regular pattern stood out on the plain pebble and the wardens would have instantly recognised this as fish scales.
- Q3** It's a fossil Ichthyosaur poo or Coprolite. The fish scales trapped inside are what it couldn't digest.

Curious Crinoid

- Q1** A Crinoid is ... D - An Animal. It is distantly related to a starfish.
- Q2** Attached to a floating log the Crinoid would travel further and would get access to more food.
- Q3** A 'bed' of one particular type of fossil tells us that many died in one short time, maybe through a change in temperature or a natural disaster like a tsunami.

For one final puzzle take the letters from *Tom & Mina*
... and rearrange them to make the name of a fossil???