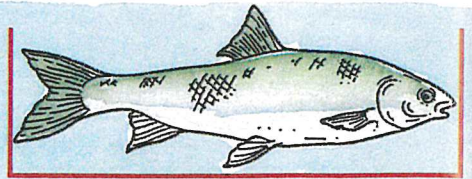


# Fish scales

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Measure to check that this fish is 6 cm long.  
The fish is drawn to scale.  
The scale is 1 cm to 5 cm.  
Each centimetre represents 5 centimetres.  
The true length is  $6 \times 5 \text{ cm} = 30 \text{ cm}$

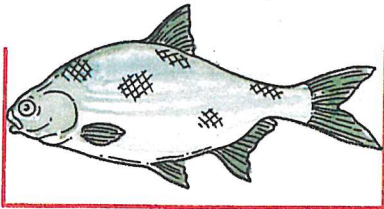


Dace

1 Measure each fish and calculate its true length.

Scale: 1 cm to 5 cm

Silver Bream

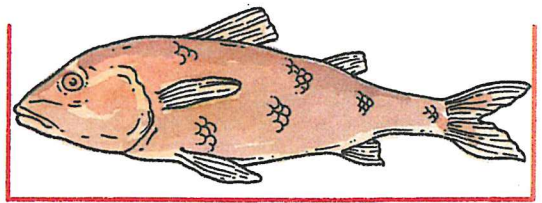


Anchovy

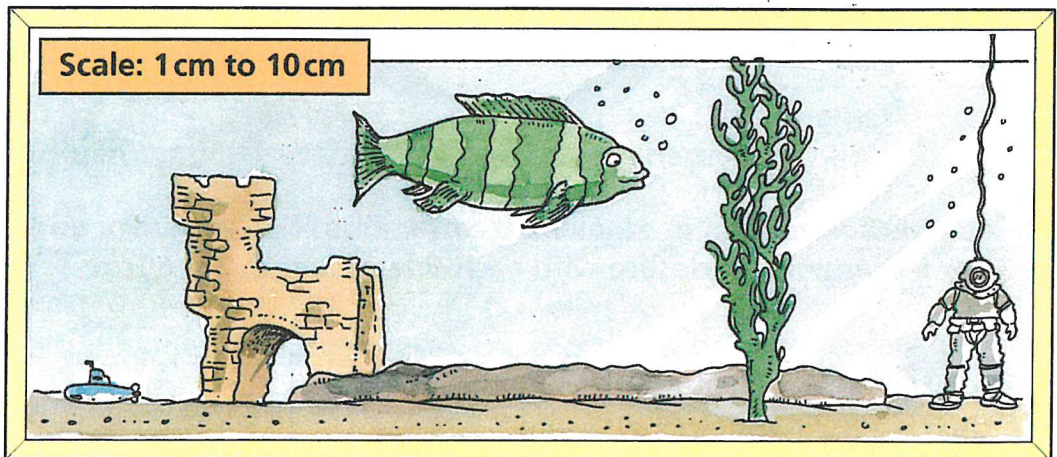


Minnow

Red Mullet



2 (a) Measure and then calculate to find the true length of the  
• tank • fish • rock • submarine.



(b) Find the true height of the  
• tank • castle • diver • plant.  
(c) Is the water more or less than 40 cm deep? Explain.

3 These sharks are drawn to different scales.

(a) Find the true length of each shark in metres.  
(b) List them in order. Start with the longest.

Great Blue: 1 cm to 80 cm



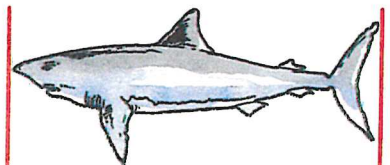
Nurse: 1 cm to 60 cm



Crocodile: 1 cm to 20 cm



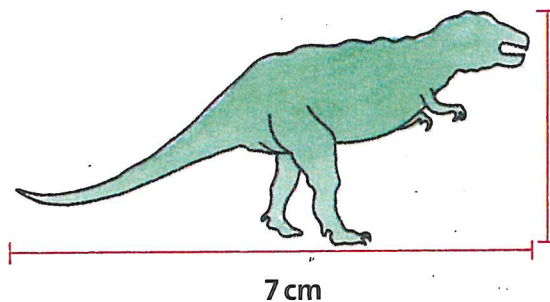
Mako: 1 cm to 90 cm



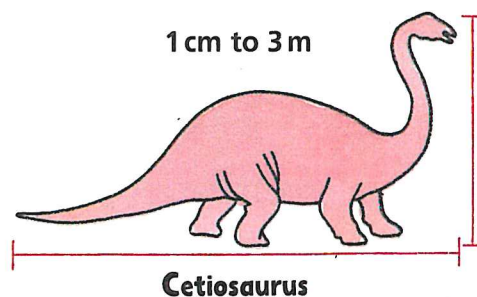
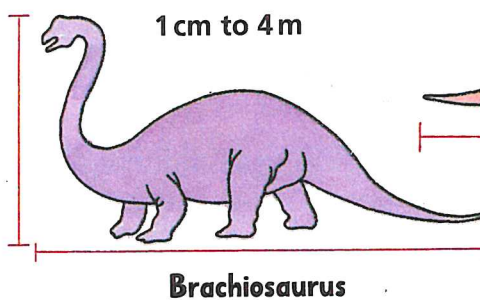
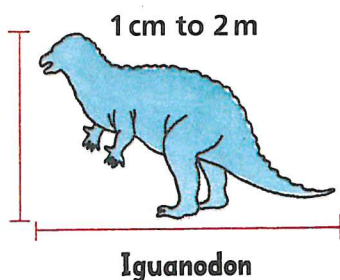
This Tyrannosaurus is drawn to a scale of 1 cm to 2 m.

Each centimetre represents 2 metres.

$$\begin{aligned} \text{Its true length} &= 7 \times 2 \text{ m} \\ &= 14 \text{ m} \end{aligned}$$



- 1 Find the true length of each of these dinosaurs.

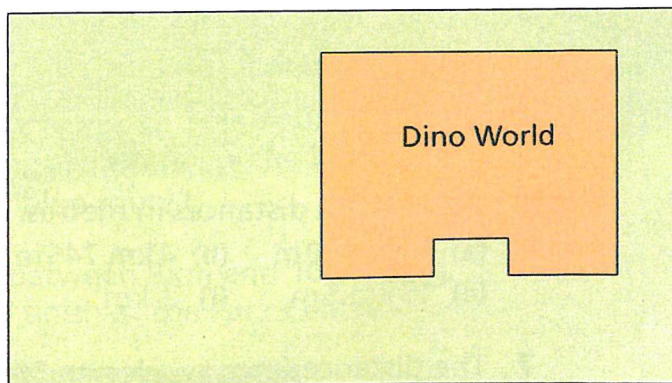


- 2 (a) Which of these dinosaurs was the longest?  
How many times longer than the shortest one was it?
- (b) How much longer or shorter than your classroom was the Iguanodon?
- (c) Which mammal living today can be longer than any of these dinosaurs?
- 3 (a) Find the true height of each of the **four** dinosaurs.
- (b) Which was the tallest of these dinosaurs?  
About how many times the height of your classroom was it?

This plan of Dino World and its grounds is drawn to scale.

H41

- 4 (a) Find the true length and breadth of
- Dino World
  - its grounds.
- (b) How many Cetiosaurus lengths would fit into the length of the grounds?
- (c) Would 3 Brachiosaurus lengths fit into the length of Dino World? Explain.



Scale: 1 cm to 20 m