

# Growing in Water

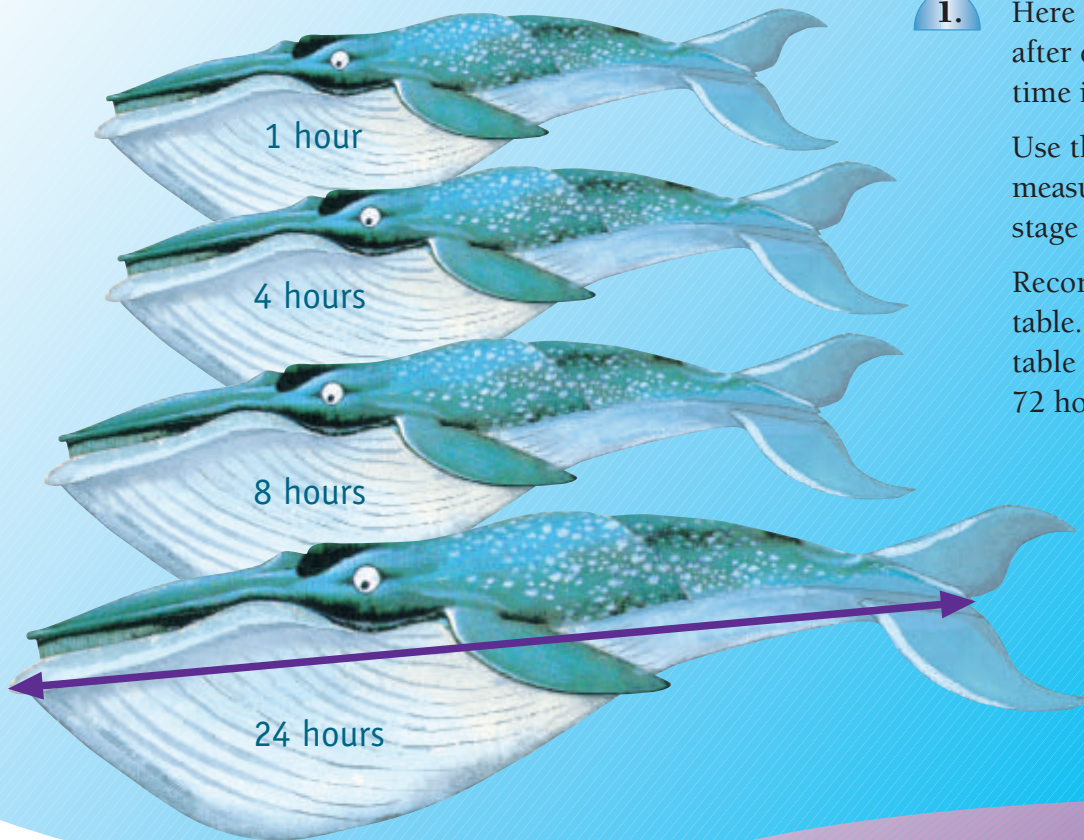
You need  a ruler

graph paper

a classmate

## Activity

Dave buys three animal models that grow in water. He measures their lengths before he puts them in the water. The whale is 85 millimetres, the panda is 52 millimetres, and the parrot is 90 millimetres.



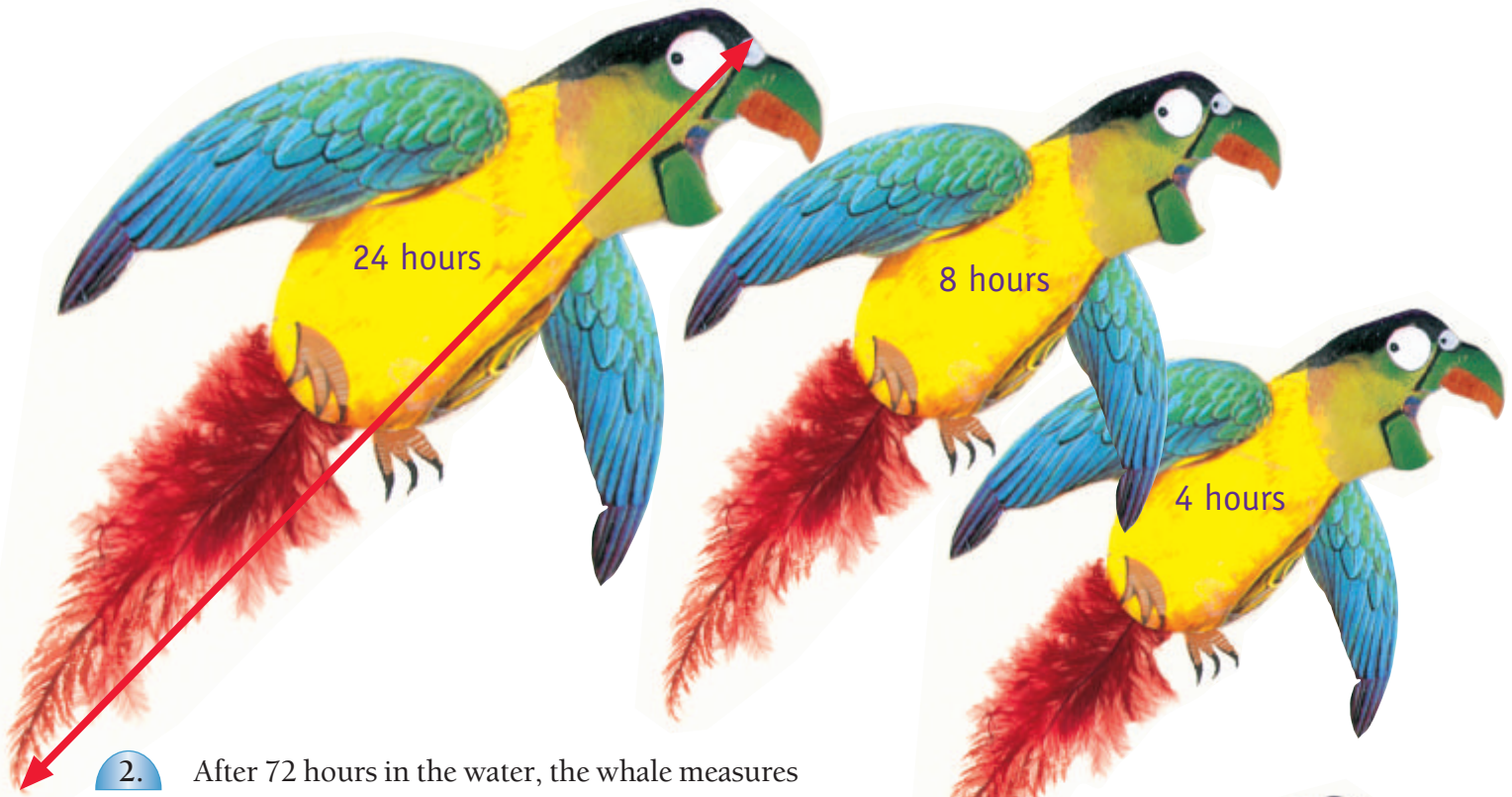
1. Here are the same models after different amounts of time in the water.

Use these diagrams to measure each model at each stage of its growth.

Record your results in a table. (Leave room on your table to add in 12, 36, and 72 hours.)







24 hours

8 hours

4 hours

1 hour



2. After 72 hours in the water, the whale measures 155 millimetres, the panda measures 90 millimetres, and the parrot measures 178 millimetres.

Add these measurements to your table.

3. a. How long do you estimate each animal would be after 12 hours in water? (As there is no definite pattern, you will find making a graph useful for estimating.)

Add these estimates to your table.

b. What about after 36 hours?

Add these estimates to your table.

4. The armadillo model is 80 millimetres long before being put in water. If it grows at a similar rate to the parrot, how long might it be after:

- a. 4 hours?
- b. 12 hours?
- c. 24 hours?
- d. 72 hours?

5. The model company boasts that these models grow to over six times their size in 72 hours. Is that true? Discuss this with a classmate.