

Activity Two

- 1. The hypsilophodont is 3.5 metres long.
 Use this to estimate the length of the theropod, the mosasaur, and the pterosaur without a ruler.
- 2. Use your ruler and the scale to check your answers.

The animals have the following masses:

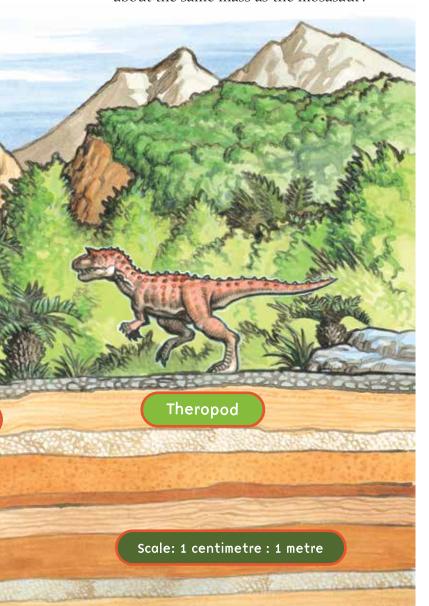
Theropod 3.89 tonnes

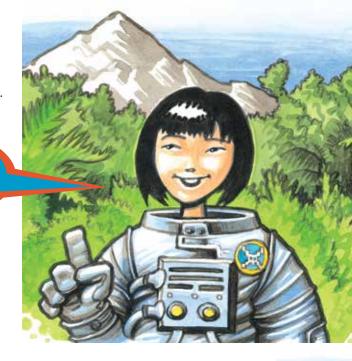
Hypsilophodont 1.83 tonnes

Mosasaur 5.23 tonnes

Pterosaur 0.29 tonnes

- 3. a. Which animal is the lightest?
 - **b**. Why do you think this is?
- 4. Which animals that are alive today have about the same mass as the mosasaur?





Investigation

Can you and the crew outrun the dinosaurs?

- 1. Use the tape measure or trundle wheel to measure a 20 metre distance outside.
- Ask your classmate to time how long you take to run 20 metres.
- 3. Time how long your classmate takes to run 20 metres.
- 4. If a theropod can run 100 metres in 20 seconds (when it is hungry!), how long would a theropod take to run 20 metres?
- 5. a. Can the theropod catch you?
 - b. Can the theropod catch your classmate?
- 6. Sam is the slowest crew member. He can run 5.1 metres per second. Will he be caught by the theropod?