

Measures investigation – estimate then measure around the room and yard

MODULE 4 · MEASURES – LENGTH, WEIGHT AND CAPACITY MEASURES

HOW TO ANSWER TODAY

- **Read a ruler.** Each big mark = 1 cm = 10 mm. Each little mark = 1 mm.
 $3\text{ cm} + 7\text{ mm} = 37\text{ mm} = 3.7\text{ cm}$
- **Convert units.** To a SMALLER unit → multiply. To a BIGGER unit → divide. Common factors:
 $\text{cm} \leftrightarrow \text{mm} \times 10$, $\text{m} \leftrightarrow \text{cm} \times 100$, $\text{km} \leftrightarrow \text{m} \times 1,000$, $\text{kg} \leftrightarrow \text{g} \times 1,000$, $\text{l} \leftrightarrow \text{ml} \times 1,000$.
 $250\text{ cm} \rightarrow \text{m}: \div 100 = 2.5\text{ m}$ · $3.5\text{ kg} \rightarrow \text{g}: \times 1,000 = 3,500\text{ g}$

★ STRETCH PROBLEMS

- 1 Oisín measures a strip of green paper to decorate the class door for Seachtain na Gaeilge. On the ruler, the strip reaches **22 cm** and **4 mm** from the start. What is the length of the strip in cm?
- 2 Oisín measures the length of his hurley grip using the class ruler. The end of the grip sits **17 cm** and **7 mm** from the start of the ruler. What is the reading in cm?
- 3 For a geography project, 4th class map out a cycle route that measures **88 km**. Their teacher asks them to write the distance in centimetres. How many centimetres is **88 km**?
- 4 Tadhg measures his new hurley and finds the bás is **31 cm** long. He wants to write the length in millimetres for his craft project. How many millimetres is **31 cm**?
- 5 The map for the school cycle to Glendalough shows the route is **71 km** long. Cian wants to write the distance in metres for his fundraising poster. How many metres is **71 km**?