

Converting units of mass and capacity

MODULE 5 · MEASURES — LENGTH, AREA, VOLUME, MASS AND CAPACITY MEASURES

HOW TO ANSWER TODAY

- **Convert units.** To a SMALLER unit → multiply. To a BIGGER unit → divide. Common factors:
 $\text{cm} \leftrightarrow \text{mm} \times 10$, $\text{m} \leftrightarrow \text{cm} \times 100$, $\text{km} \leftrightarrow \text{m} \times 1,000$, $\text{kg} \leftrightarrow \text{g} \times 1,000$, $\text{l} \leftrightarrow \text{ml} \times 1,000$.

$$250 \text{ cm} \rightarrow \text{m}: \div 100 = 2.5 \text{ m} \cdot 3.5 \text{ kg} \rightarrow \text{g}: \times 1,000 = 3,500 \text{ g}$$

★ STRETCH PROBLEMS

- 1 6th class are building raised beds for vegetables in the school garden. Laid end to end, all the timber for the beds measures **1500 cm**. How many metres of timber is that?
- 2 Saoirse is helping plan a flowerbed border in the school garden. She measures one long edge and finds it is **7783 cm**. How many metres long is that edge?
- 3 During the 6th class robotics build, Cian measures a length of wire for the circuit as **793 mm**. How many metres long is the wire?
- 4 Cara and her friends set up mini goals for their lunchtime soccer match in the schoolyard. Each goal is **756 mm** wide. How many centimetres is that?
- 5 Aoife is helping in the photocopier room before home time. She measures a strip of card for tomorrow's worksheets and finds it is **948 mm** long. How many centimetres is **948 mm**?