

Mass: weighing in g and kg

MODULE 4 · MEASURES — LENGTH, MASS, CAPACITY, AREA, VOLUME MEASURES

HOW TO ANSWER TODAY

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

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

★ STRETCH PROBLEMS

- 1 5th class at St Brigid's measured the total length of ribbon left on the spools in the classroom craft store and got **7628 cm** in total. The teacher wants the answer written in kilometres for the stocktake sheet. How many kilometres is **7628 cm**?
- 2 Cian measures one side of a new raised bed in the school vegetable garden. The timber plank is **3852 mm** long. How many centimetres is that?
- 3 Cian marks out a soccer pitch in the schoolyard for the lunchtime match. The length of the pitch measures **9599 cm**. Convert **9599 cm** to metres.
- 4 Cian and the 5th class are making a long string of bunting for GAA finals day. The finished bunting measures **9932 cm** from end to end. How many metres long is the bunting?
- 5 Cian measures the path from the school gate to the GAA pitch and finds it is **5276 cm** long. What is this length in kilometres?