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: cm↔mm ×10, m↔cm ×100, km↔m ×1,000, kg↔g ×1,000, l↔ml ×1,000.

  250 cm → m: ÷ 100 = 2.5 m · 3.5 kg → g: × 1,000 = 3,500 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**?

   Convert 7628 cm to km.

2. 5th class are lining up along the corridor wall before heading out to the yard. The line stretches **717 cm** from the classroom door to the noticeboard. How long is the line in metres?

   Convert 717 cm to m.

3. For STEM week, Oisín weighs the lollipop sticks and glue he is using to build a model bridge. The materials come to **981 g** on the kitchen scales. What is this mass in kilograms?

   Convert 981 g to kg.

4. Saoirse measures the string holding the bird-feeder outside the 5th class window. It is **495 cm** long from the branch to the feeder. How long is the string in metres?

   Convert 495 cm to m.