Choosing and converting metric units of length

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 are taping out a giant Snakes and Ladders track in the school yard, with the full snaking path measuring **5969 cm** from start to finish. For their maths display, they need to record the path length in kilometres. How many kilometres long is the track?
   > Convert 5969 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. The art teacher mixes **892 ml** of green paint to use for the new class crest going on the 5th class Gaelic football jersey. She wants to record the amount in litres on her supplies list. How many litres of paint has she mixed?
   > Convert 892 ml to l.