Converting mass units

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: 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. The nature trail through the local park measures **5819 m**. How many kilometres is that?
2. Aoife helps 5th class measure the ribbon needed to edge every square on their class quilt. They need **3620 cm** of ribbon in total. How many metres of ribbon is that?
3. 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?
4. Cian's 5th class is planning a hike through the Wicklow Mountains. The route they have chosen measures **9049 m** from start to finish. How many kilometres long is the hike?
5. Aoife measures **9623 cm** of bunting to hang around the school hall for World Book Day. How many kilometres of bunting is that?