End-of-year review — number, measures and shape

MODULE 10 · ALGEBRA — PATTERNS, RULES AND NUMBER SENTENCES ALGEBRA

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
- **Value of a digit.** Find which place the digit sits in, then write what it is worth there as a number (not the place name).
  In 3,742 the digit 7 sits in the hundreds place. Its value is 700.
- **Area.** Area = length × width. Write the answer in square units (cm^2, m^2).
  5 m × 3 m → 15 m^2

STRETCH PROBLEMS

1. The after-school crafts club has a **36 m** reel of kite string to share out for their new kites. To label the reel neatly, Tadhg needs to write the length in millimetres. How many millimetres is **36 m**?

2. On the coach to the Cliffs of Moher, the guide says **3,234** people visited the cliffs last Saturday. In the number **3,234**, what is the value of the digit **3**?

3. Aoife cuts a rectangular flag for the summer fair bunting. It measures **9 cm** along one side and **2 cm** along the other. What is the area of the flag?

4. The 4th class sponsored cycle route is **26 km** long. The pupils want to mark the route in metres for their chart. How many metres is **26 km**?

5. Oisín is making a tessellation pattern for the corridor display. The strip of paper he is using measures **4 m** long. How long is the strip in centimetres?

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