

Percent of a quantity – 10%, 25%, 50%

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES

NUMBER

HOW TO ANSWER TODAY

- **Discount / increase.** Work out the percent of the price, then take it off (discount) or add it on (increase).

€80 with 15% off → 15% of €80 = €12 → €80 – €12 = €68

- **Percent of a quantity.** Find 10% first ($\div 10$) and build up, or find 1% ($\div 100$) and multiply.

20% of 50 → 10% of 50 = 5, $\times 2 = 10$

STRETCH PROBLEMS

- 1 A new bird-feeder kit for the classroom window costs €200 at the garden centre. Cian sees a sign saying all bird-feeder kits are reduced by 15% this week. What is the new price?
- 2 Saoirse and her cousins are buying a €900 garden swing for their grandad's birthday. Saoirse's family agree to pay 20% of the cost. How much does Saoirse's family pay?
 What is 20% of 900?
- 3 Cian and his sister Saoirse get €960 between them for minding their grandad's garden over the summer. They agree to split the money fairly, so Saoirse takes 50% of the €960. How much does Saoirse get?
 What is 50% of 960?