Finding a percentage of a quantity

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 (÷ 10) and build up, or find 1% (÷ 100) and multiply.
  20% of 50 → 10% of 50 = 5, × 2 = 10

STRETCH PROBLEMS

1. A picnic hamper for the 5th class trip costs **€180** at the local Centra deli. The shop gives the class a **15%** discount because they are ordering for a school event. What is the new price of the hamper?

   > €180 is reduced by 15%. What is the new price?

2. The SuperValu near Niamh's school has **280** loaves of bread delivered on Monday morning. By lunchtime, **75%** of the loaves have been sold. How many loaves have been sold?

   > What is 75% of 280?

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?