

Discount and increase: €30 reduced by 20%

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES NUMBER

HOW TO ANSWER TODAY

- **Sale price.** Find the discount (percent of price). Subtract from the original price.
 $\text{€}60, 20\% \text{ off} \rightarrow 20\% \text{ of } \text{€}60 = \text{€}12 \rightarrow \text{€}60 - \text{€}12 = \text{€}48$
- **Discount / increase.** Work out the percent of the price, then take it off (discount) or add it on (increase).
 $\text{€}80 \text{ with } 15\% \text{ off} \rightarrow 15\% \text{ of } \text{€}80 = \text{€}12 \rightarrow \text{€}80 - \text{€}12 = \text{€}68$

★ STRETCH PROBLEMS

- 1 Saoirse finds a winter jacket on sale at the local shop. The jacket costs **€198.99** before a **35%** discount. What is the sale price?
- 2 Aoife's family order a Halloween hamper of barmbrack that costs **€100**. The bakery increases the price by **5%** for the busy weekend. What is the new amount?
- 3 Niamh spots a winter jacket priced at **€255.99** in the Dunnes Stores sale. There is **15%** off everything at the till that morning. What is the sale price of the jacket?
- 4 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?
- 5 Saoirse and her cousins are pooling their money to buy Granda a winter jacket as a joint birthday present. The jacket is priced at **€453.99** in Dunnes Stores and has **35%** off in the sale. What is the sale price of the jacket?