

Problem-solving with discounts and increases

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

- **Sale price.** Find the discount (percent of price). Subtract from the original price.

€60, 20% off → 20% of €60 = €12 → €60 - €12 = €48

STRETCH PROBLEMS

- 1 6th class have raised €200 for their school tour fund. They set aside 30% of the money for the coach hire. How much money is set aside for the coach?
- 2 Aoife spots a winter jacket priced at €385.99 in the clothes shop in town. It has a 12% discount this week. What is the sale price?
- 3 6th class are buying a winter jacket as the top prize for their Christmas hamper raffle. The jacket costs €460.99 before a 22% discount from the shop. What is the sale price?
- 4 Saoirse sees a jacket in the local shop priced at €357.99. It has a 35% discount in the sale. What is the sale price of the jacket?
- 5 Aoife needs a warm jacket for the 6th class school tour. The jacket costs €350.99 before a 22% discount. What is the sale price?

INVESTIGATE

Hunt for the best deal

A jacket costs €60. Shop A offers '25% off'. Shop B offers '€20 off'. Shop C offers 'buy one get the second half price' if you buy two. Which is the best value in different situations? Explain.
