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

STRETCH PROBLEMS

1. 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?

   A jacket costs €453.99 before a 35% discount. What is the sale price?

2. **140** pupils from 5th class are going on the school tour to the Cliffs of Moher in Clare. **15%** of the pupils have chosen the guided walk along the cliff path. How many pupils have chosen the guided walk?

   What is 15% of 140?

3. 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?

4. Niamh spots a winter jacket priced at **€366.99** in the window of Dunnes Stores on the way home from school. A sign says everything is **15%** off this weekend. What is the sale price of the jacket?

   A jacket costs €366.99 before a 15% discount. What is the sale price?

5. Saoirse spots a jacket priced at **€131.00** in the Dunnes Stores winter sale, with **40%** off at the till. What is the sale price after the discount?

   A jacket costs €131.00 before a 40% discount. What is the sale price?