

Fractions, decimals and percentages review

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES NUMBER

HOW TO ANSWER TODAY

- **Fraction of a quantity.** Divide the quantity by the bottom number (denominator). Multiply by the top number (numerator).
 $12/18 \div 6 \rightarrow 2/3$
- **Lowest terms.** Divide top and bottom by the same number until you can't go any further.
 $€80$ with 15% off $\rightarrow 15\%$ of $€80 = €12 \rightarrow €80 - €12 = €68$
- **Discount / increase.** Work out the percent of the price, then take it off (discount) or add it on (increase).

★ STRETCH PROBLEMS

- 1 6th class walk along a **240**-metre nature path through the local park. They cover **7/10** of the path before stopping to sketch. How many metres do they walk?
What is 7/10 of 240?
- 2 At break time Aoife opens a packet of **40** biscuits for her table. The group take **15** of them. Write the fraction of the packet they have taken in its lowest terms.
Simplify 15/40 to lowest terms.
- 3 Aoife's 6th class collect **200** autumn leaves for an art lesson. They use **7/10** of the leaves to make collages. How many leaves do they use?
What is 7/10 of 200?
- 4 Saoirse has a packet of **90** biscuits to share at break time. The class takes **3/5** of the packet. How many biscuits do they take?
What is 3/5 of 90?
- 5 Róisín sees a pack of paperbacks priced at **€40.00** at the class book fair. The pack is reduced by **5%** in the end-of-fair sale. What is the new price?