

Equivalent fractions and simplest form

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES

NUMBER

HOW TO ANSWER TODAY

- **Lowest terms.** Divide top and bottom by the same number until you can't go any further.
 $12/18 \div 6 \rightarrow 2/3$
- **Equivalent fractions.** Whatever you multiply (or divide) the bottom by, do the same to the top.
 $2/5 = ?/15$. Bottom $\times 3$, so top $\times 3 \rightarrow 6/15$

STRETCH PROBLEMS

- 1 5th class are lining up at the door before going to the yard. **18** of the **24** pupils have remembered their hi-vis vests for the walk. Write the fraction **18/24** in its lowest terms.
 Simplify 18/24 to lowest terms.
- 2 Saoirse invites friends to a sleepover and lays out **20** biscuits on a tray. By bedtime, **15** of the **20** biscuits have been eaten. Write the fraction **15/20** in its lowest terms.
 Simplify 15/20 to lowest terms.
- 3 Mr Ó Briain prints **30** maths worksheets in the photocopier room for 5th class tomorrow. **27** of the **30** worksheets are stapled and ready to go. Write the fraction **27/30** in its lowest terms.
 Simplify 27/30 to lowest terms.
- 4 Taking the roll on Monday morning, the teacher notes that **9/10** of the pupils in 5th class are present. Across the whole school there are **80** pupils, and the same fraction of the whole school is present. How many pupils out of **80** does **9/10** equal?
 Fill in the missing number: $9/10 = ?/80$
- 5 On a sponsored cycle, Tadhg plans to complete **28** laps of the cycle path in Phoenix Park. He has finished **3/4** of his laps so far. Fill in the missing number to show how many laps he has cycled:
 $3/4 = ?/28$.



$$\frac{1}{2}$$



$$\frac{1}{2}$$

NUMBER



$$\frac{1}{2}$$

