



# Simplifying fractions

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES NUMBER

 $\frac{1}{2}$ 

## 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 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.

- 2 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:  $9/10 = ?/80$ 

- 3 At Camogie training under the floodlights, the coach says **3/4** of the squad must stay back for extra puck-around drills. There are **20** players at training in total. How many players is that, written as **?/20**?

Fill in the missing number:  $3/4 = ?/20$  $\frac{1}{2}$  $\frac{1}{2}$ 