

Finding a half, a third and a quarter of a quantity

MODULE 3 · FRACTIONS AND FIRST DECIMALS NUMBER

HOW TO ANSWER TODAY

- **Fraction of a quantity.** Divide the quantity by the bottom number (denominator). Multiply by the top number (numerator).

$$3/5 \text{ of } 20 \rightarrow 20 \div 5 = 4, \times 3 = 12$$

 STRETCH PROBLEMS

- 1 Mr Murphy's class library has a display shelf split into 15 equal sections for the books returned this week. The class wants to fill $\frac{4}{5}$ of the shelf with returned books. How many of the 15 sections should they fill?

To shade $\frac{4}{5}$ of a shape divided into 15 equal parts, how many parts must be shaded?

- 2 Aoife brings 48 biscuits to her sleepover with her cousins. The friends eat $\frac{2}{3}$ of the biscuits before bedtime. How many biscuits do they eat?

What is $\frac{2}{3}$ of 48?

- 3** Aoife cuts a tray of flapjacks into **7** equal pieces for her sleepover. Her friends eat **5** of the pieces before bedtime. What fraction of the tray has been eaten?

A shape is divided into 7 equal parts and 5 are shaded. What fraction of the shape is shaded?