

Equivalent ratios and simplifying ratios

MODULE 4 · RATIO AND PROPORTION NUMBER

HOW TO ANSWER TODAY

- **Share in a ratio.** Add the ratio parts. Divide the total by that number to find ONE part. Multiply each ratio number by it.
- **Lowest terms.** Divide top and bottom by the same number until you can't go any further.

$$12/18 \div 6 \rightarrow 2/3$$

★ STRETCH PROBLEMS

- 1 6th class raised €34 at their cake sale. They share the money between four local charities in the ratio 2:3:5:7. How much money does each charity get?
- 2 Tadhg kept the score at the club hurling match on the local pitch. The forwards scored 20 points and the backs scored 5 points. Write the ratio of forwards' points to backs' points in its simplest form.
- 3 Aoife is helping granny count the calves on the farm. She counts 4 black calves and 8 brown calves in the field. Write the ratio of black calves to brown calves in its simplest form.
- 4 Aoife checks the school-bag rota and sees that 3 of the 9 turns this month are for carrying the PE kit. Simplify the fraction 3/9 to lowest terms.
- 5 Róisín and her three siblings sell old toys and books at a car boot sale and make €255. They share it in the ratio 2:3:5:7, according to how much each of them sold. How much does each sibling get?



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



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

NUMBER



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

