

Equivalent fractions with fraction strips

MODULE 3 · FRACTIONS AND FIRST DECIMALS NUMBER

HOW TO ANSWER TODAY

- **Lowest terms.** Divide top and bottom by the same number until you can't go any further.

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

★ STRETCH PROBLEMS

- 1 For the autumn art lesson, Oisín colours $\frac{1}{2}$ of his leaf border in gold. His teacher wants him to write the same amount as a fraction of 6 equal sections. So $\frac{1}{2} = \frac{?}{6}$. What number goes in the gap?
Fill in the missing number: $\frac{1}{2} = \frac{?}{6}$
- 2 On Monday morning in 5th class, the teacher notes that $\frac{3}{4}$ of the pupils have brought back their reading logs. She writes this on the whiteboard as an equal fraction out of 8. Fill in the missing number: $\frac{3}{4} = \frac{?}{8}$.
- 3 On the school tour to Glendalough, $\frac{3}{4}$ of Cian's class chose the woodland trail. His teacher wants to write this as a fraction out of 20 pupils. Fill in the missing number: $\frac{3}{4} = \frac{?}{20}$.
- 4 On Monday morning, $\frac{3}{4}$ of the 5th class team have brought in their sponsorship cards. The teacher writes this as a fraction out of 16 on the whiteboard. Fill in the missing number: $\frac{3}{4} = \frac{?}{16}$.
- 5 Taking the roll on Monday morning, the teacher notes that $\frac{1}{10}$ of 5th class forgot their reading log. To share the news with the parents' group of 20 families, she writes it as an equal fraction out of 20. Fill in the missing number: $\frac{1}{10} = \frac{?}{20}$.

● INVESTIGATE

Same amount, different name

Using strips or drawings, find at least **four** fractions that are exactly the same length as one half, and three that match one third. What patterns do you notice in the top and bottom numbers? Can you invent a rule for making another fraction equal to one half?
