

Ordering fractions

MODULE 3 · FRACTIONS AND FIRST DECIMALS NUMBER

HOW TO ANSWER TODAY

- **Compare fractions.** Make the bottom numbers (denominators) the same first. Then compare the top numbers.

$$\frac{1}{4} \text{ and } \frac{1}{3} \rightarrow \frac{3}{12} \text{ and } \frac{4}{12} \rightarrow \frac{1}{4} < \frac{1}{3}$$

- **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** Three pupils in 4th class check how full their water bottles are at lunchtime. Aoife's bottle is $\frac{9}{10}$ full, Cian's is $\frac{2}{5}$ full, and Saoirse's is $\frac{7}{10}$ full. Order the bottles from smallest amount to largest amount.

- 2 At the club hurling match, the pitch is marked into 6 equal zones and $\frac{1}{6}$ of the zones are used for the warm-up. The coach now wants to mark the same pitch into 12 equal zones instead. How many of the 12 zones will be used for the warm-up, so that $\frac{1}{6} = \frac{?}{12}$?

Fill in the missing number: $\frac{1}{6} = \frac{?}{12}$