

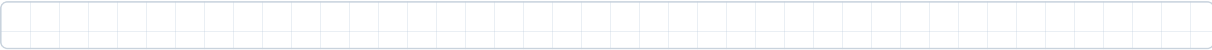
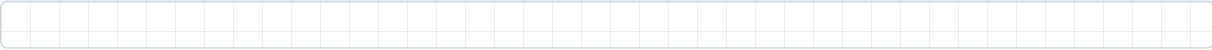
Equivalent fractions – a first look ($\frac{1}{2} = \frac{2}{4}$)

MODULE 3 · FRACTIONS AND FIRST DECIMALS NUMBER

HOW TO ANSWER TODAY

- **Equivalent fractions.** Whatever you multiply (or divide) the bottom by, do the same to the top.
 $\frac{2}{5} = ?/15$. Bottom $\times 3$, so top $\times 3 \rightarrow \frac{6}{15}$

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 At granny's farm there are **11** calves in the back field, all the same age. **3** of the calves are black and the rest are brown. What fraction of the calves are black?
 A shape is divided into 11 equal parts and 3 are shaded. What fraction of the shape is shaded?

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