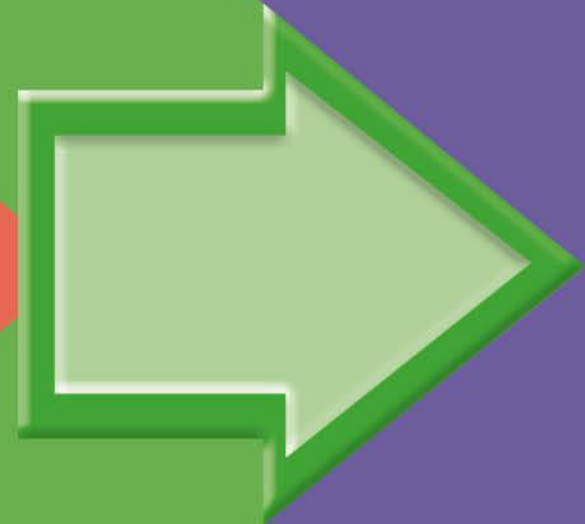


EQUIVALENT FRACTIONS



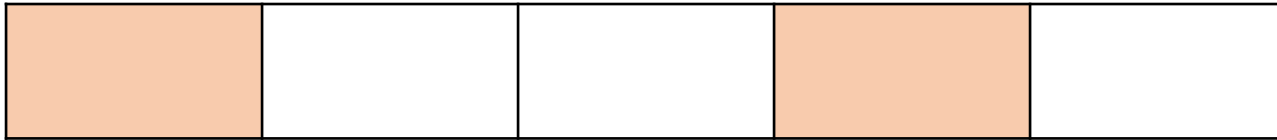
GET READY



1) Circle the non-unit fractions

$$\frac{2}{5} \quad \frac{1}{7} \quad \frac{4}{5} \quad \frac{5}{6} \quad \frac{1}{9}$$

2) What fraction of the bar is shaded orange?



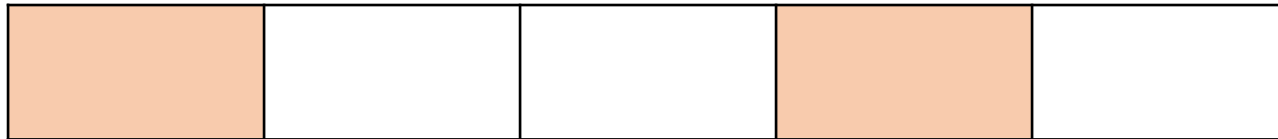
3) What fraction of the bar is shaded blue?



1) Circle the non-unit fractions

$\frac{2}{5}$ $\frac{1}{7}$ $\frac{4}{5}$ $\frac{5}{6}$ $\frac{1}{9}$

2) What fraction of the bar is shaded orange?



$\frac{2}{5}$

3) What fraction of the bar is shaded blue?



$\frac{4}{10}$

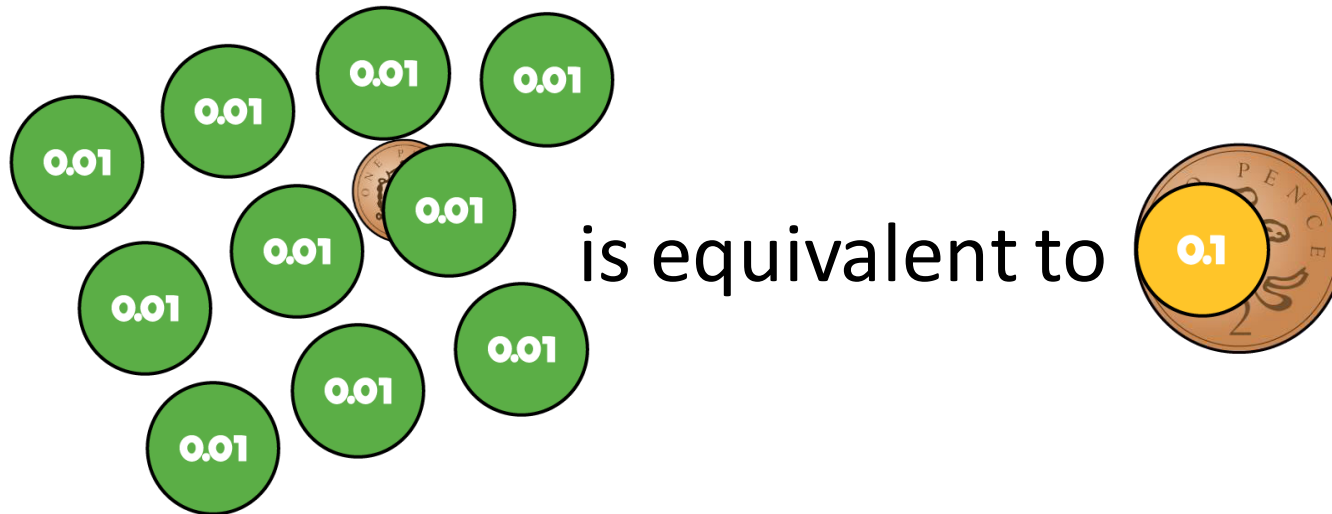
LET'S LEARN

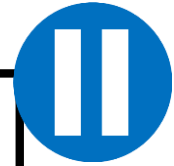


Equivalent fractions

Equivalent doesn't necessarily mean 'the same' or 'identical'.

Equivalent means the same *value* or *amount*.

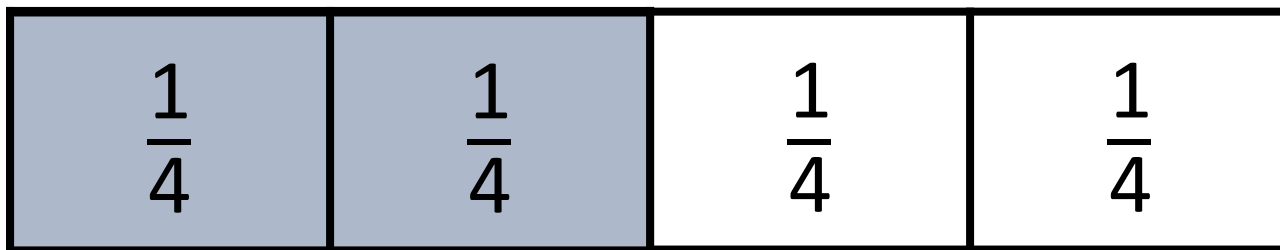
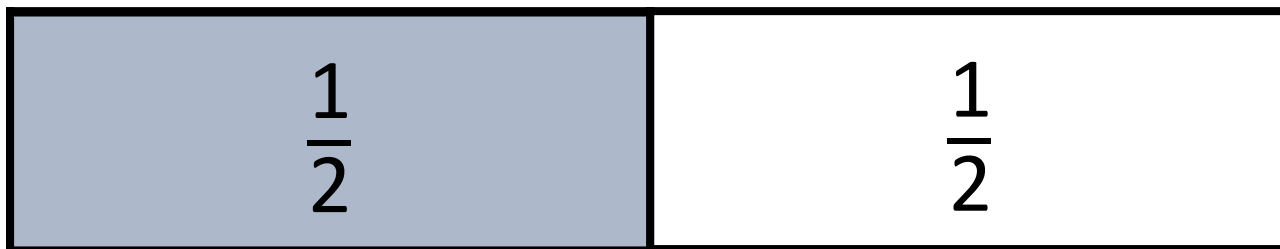




Have a think



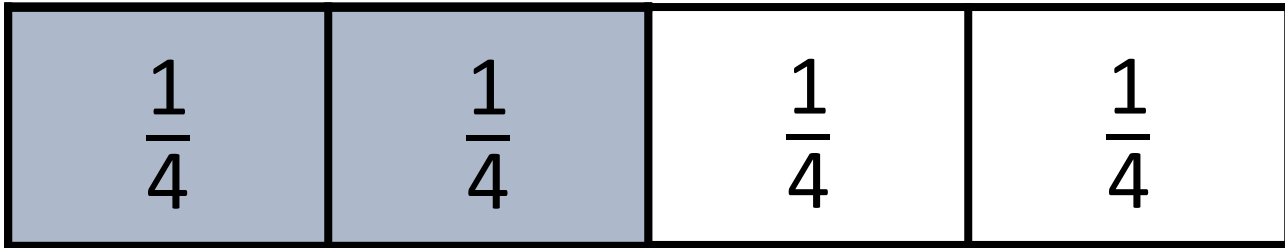
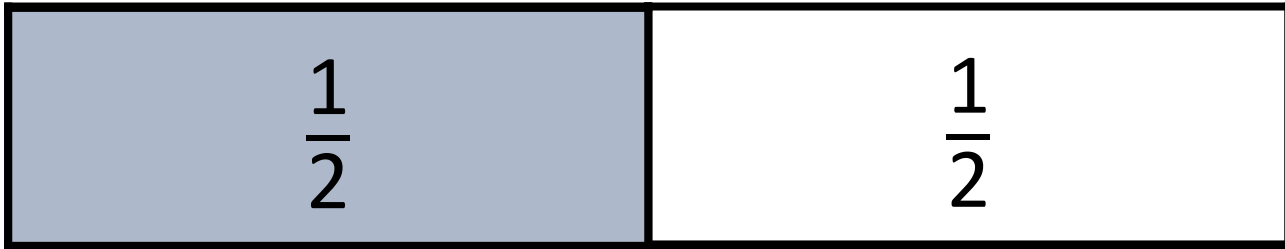
Here is a strip of paper.
What do you notice?
I cut it into 4 equal pieces.

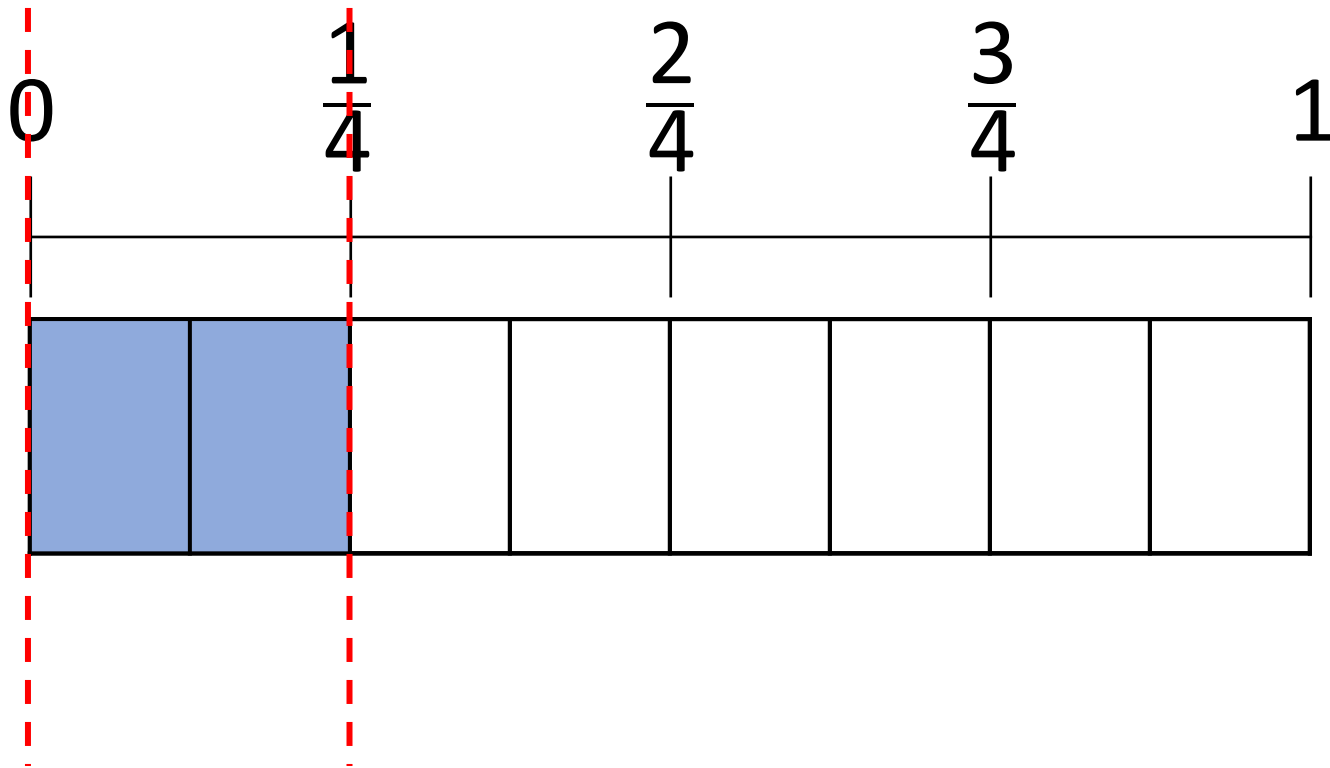


$\frac{1}{2}$ is equivalent to $\frac{2}{4}$

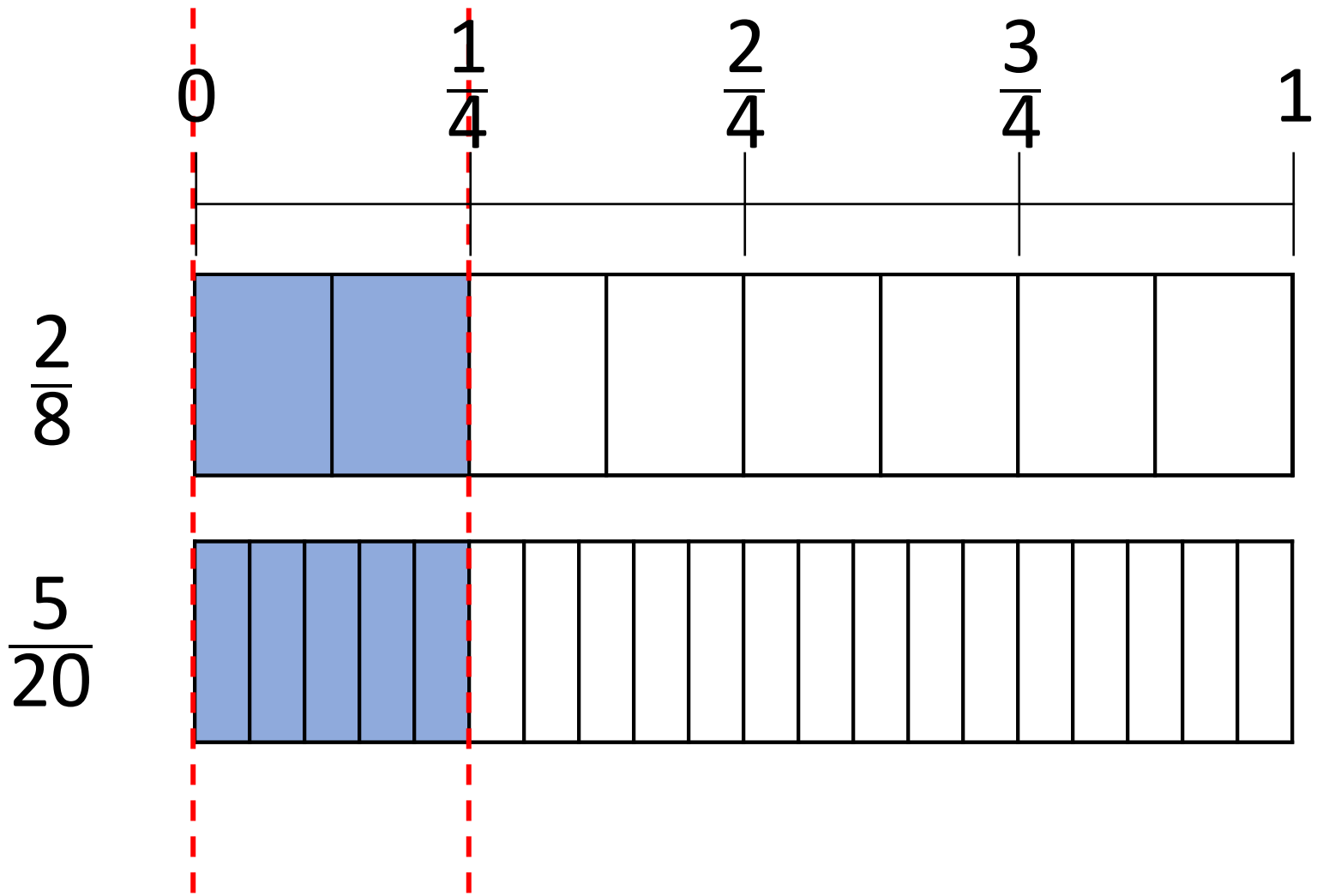
$$\times 2 \left(\frac{1}{2} \right) \div 2$$

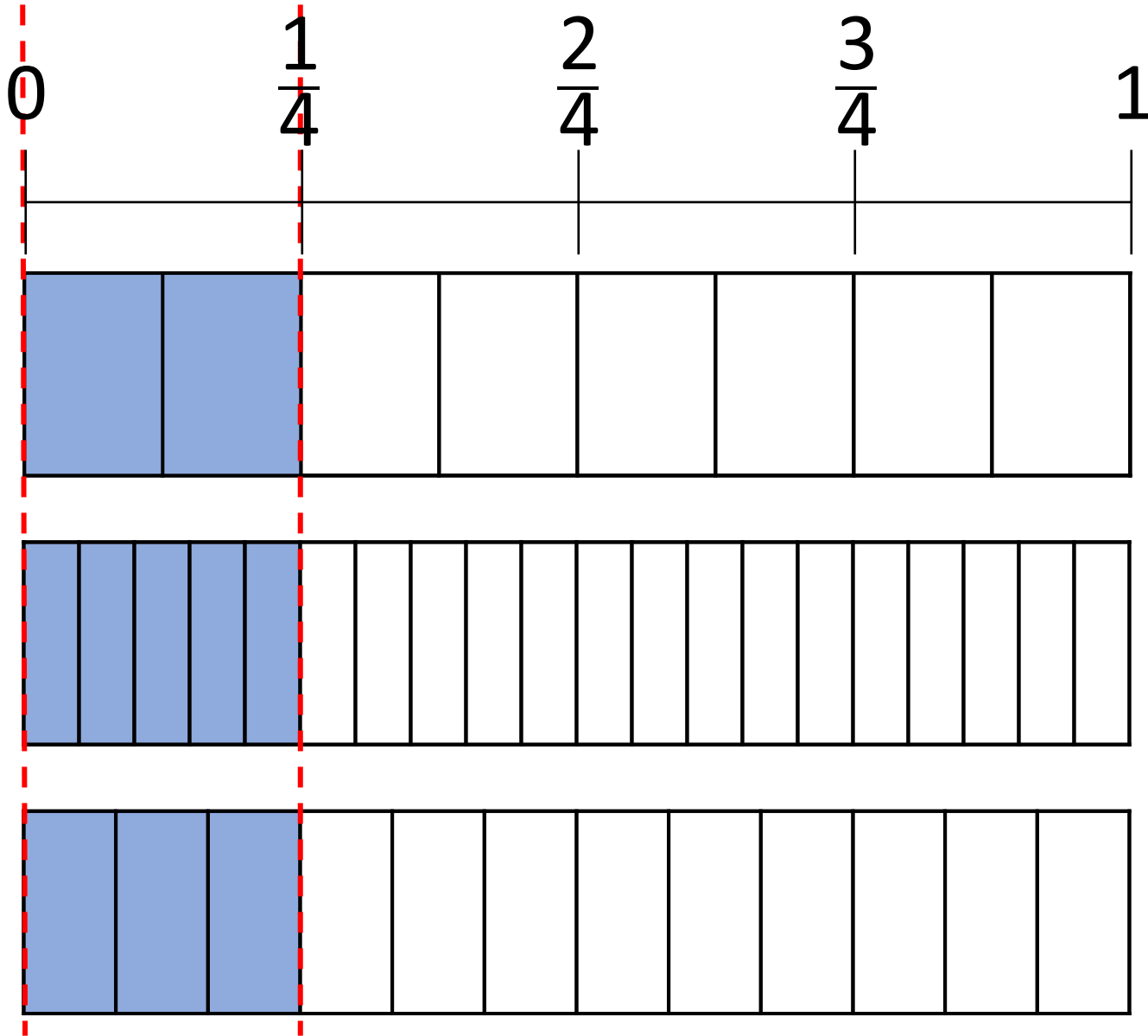
$$\div 2 \left(\frac{2}{4} \right) \times 2$$





$\frac{2}{8}$ is equivalent to $\frac{1}{4}$





Have a think



$$\frac{1}{4} = \frac{\square}{8} = \frac{3}{\square} = \frac{\square}{20} = \frac{\square}{40}$$

Have a think



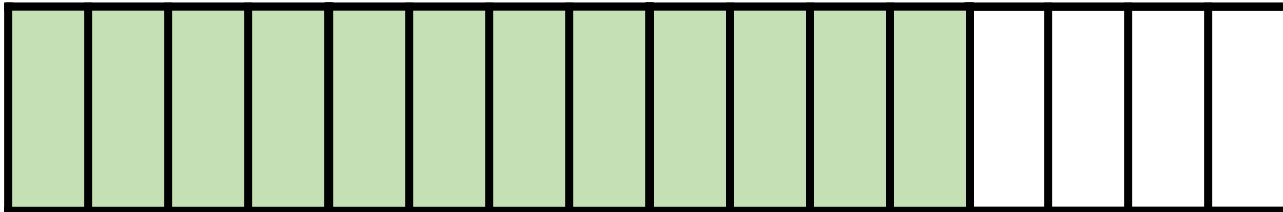
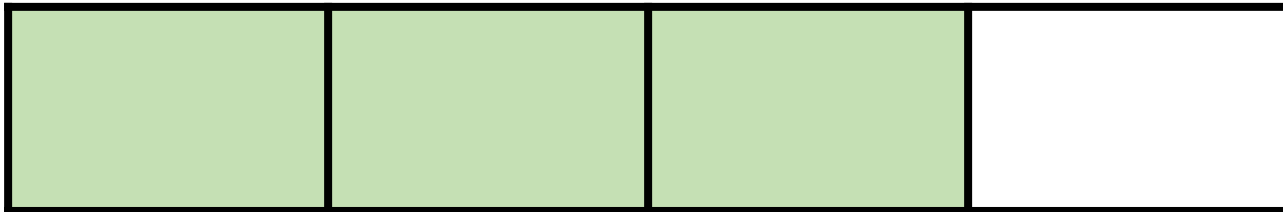
What do you notice?

$$\begin{array}{cccccc}
 & \times 2 & \times 3 & \times 5 & \times 10 & \\
 & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & \\
 \frac{1}{4} & = & \frac{2}{8} & = & \frac{3}{12} & = & \frac{5}{20} & = & \frac{10}{40} & \div 4 \\
 & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \\
 & \times 2 & \times 3 & \times 5 & \times 10 &
 \end{array}$$

$$\begin{array}{r} 3 \\ \hline 4 \end{array} = \begin{array}{r} 12 \\ \hline \square \end{array}$$

$\times 4$

$\times 4$



Have a think



$$\begin{array}{r} 3 \\ \hline 4 \end{array} = \begin{array}{r} \square \\ \hline 12 \end{array}$$

$\times 3$

$\times 3$

$$\begin{array}{r} \square \\ \hline 5 \end{array} = \begin{array}{r} 9 \\ \hline 15 \end{array}$$

$\div 3$

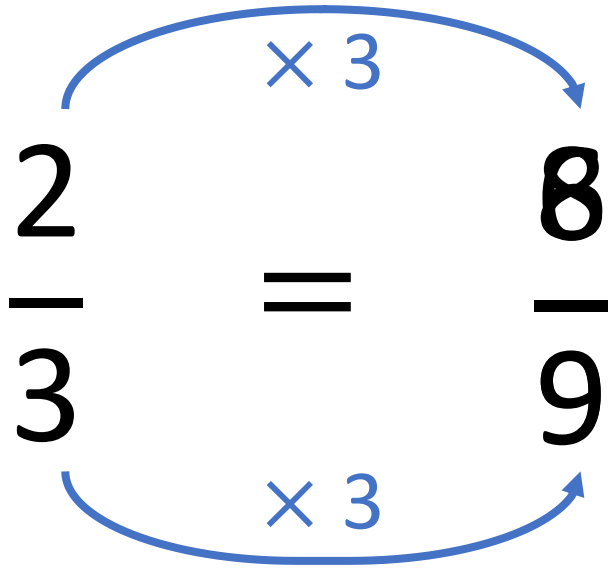
$\div 3$

YOUR TURN

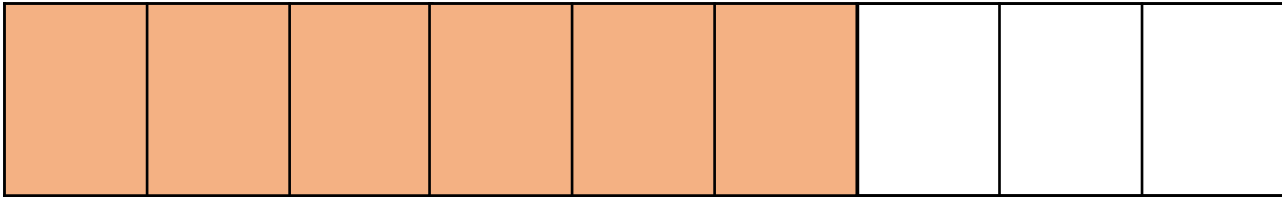
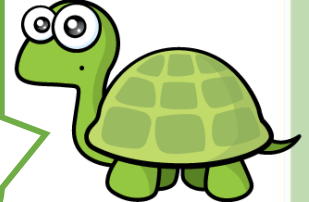
Have a go at questions
1 - 4 on the worksheet



Have a think



I added 6 to both the numerator and denominator.



$$\frac{12}{15} = \frac{40}{\square} = \frac{\square}{5}$$

$\div 3 \times 10$

$\div 8 \times 10$

YOUR TURN

Have a go at the rest of
questions on the
worksheet

