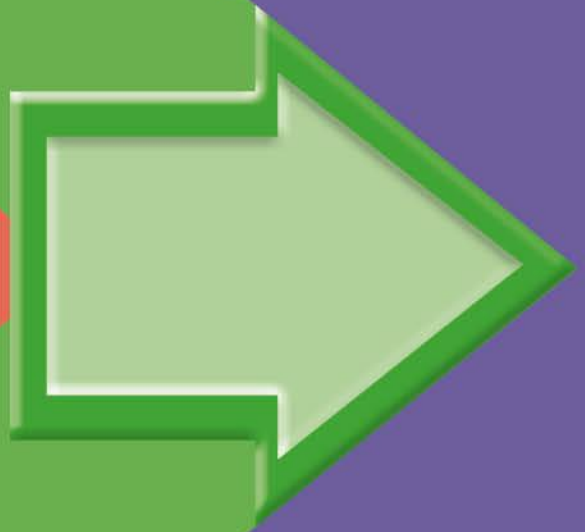
EQUIVALENT FRACTIONS



White Rose Maths

GET READY

White Rose Maths

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?

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?

$\frac{4}{10}$

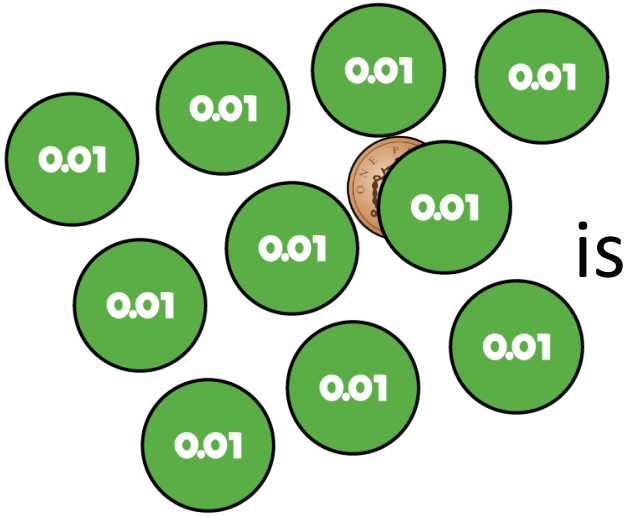
LET'S LEARN

White Rose Maths

Equivalent fractions

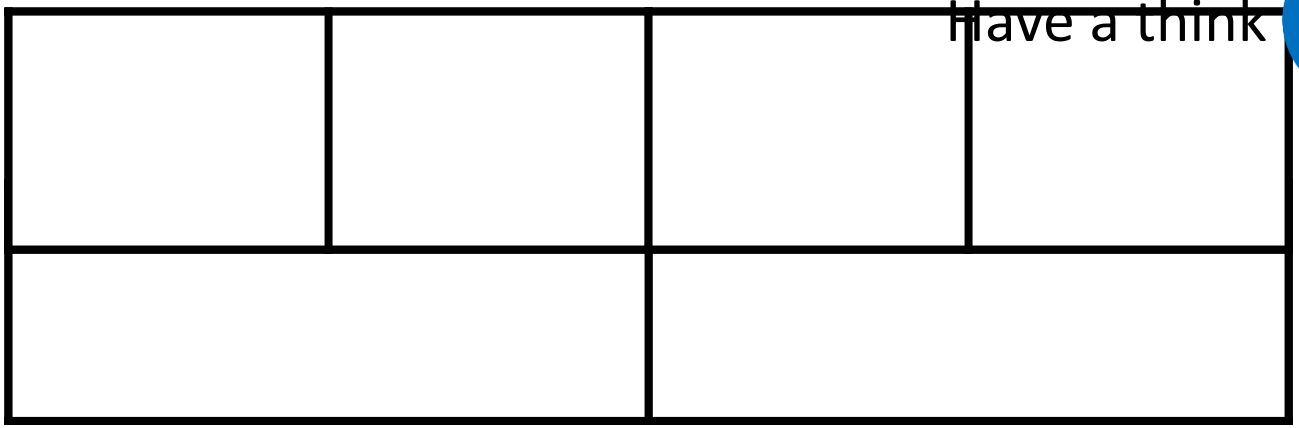
Equivalent doesn't necessarily mean 'the same' or 'identical'.

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



is equivalent to

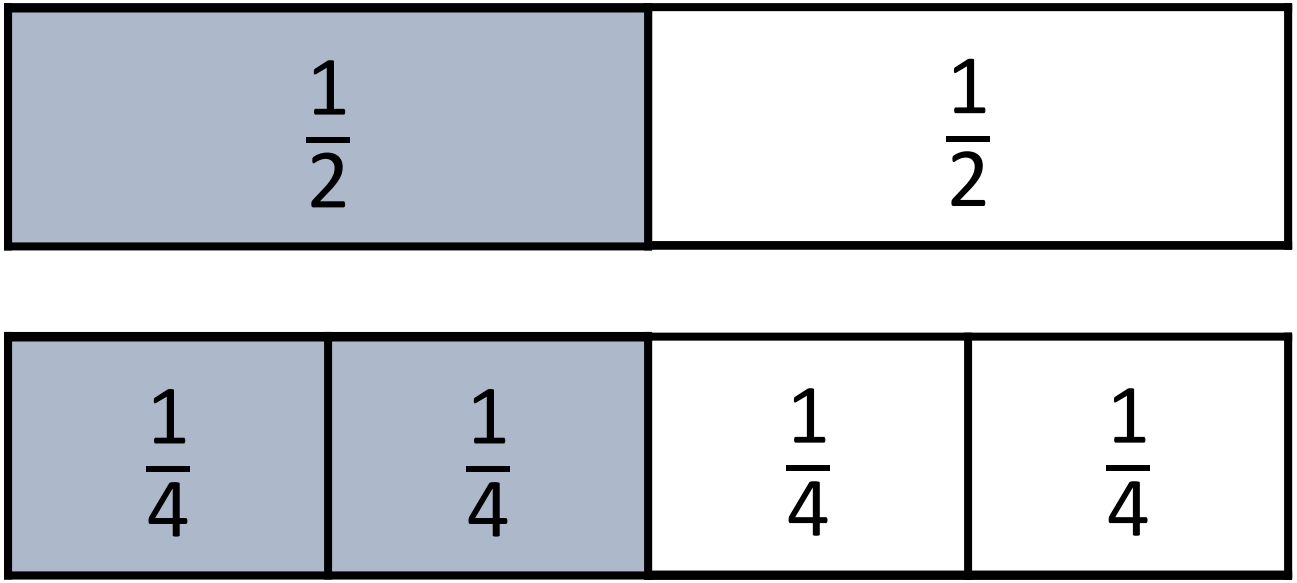
Have a think



Here is a strip of paper.

What do you notice?

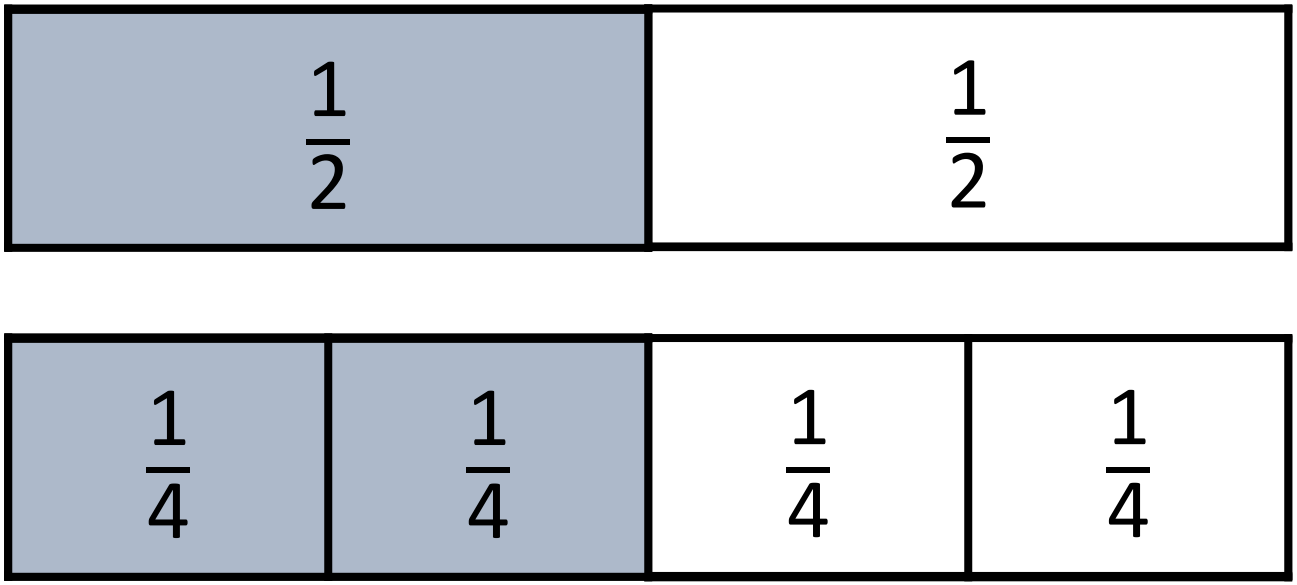
I cut it into 4 equal pieces.

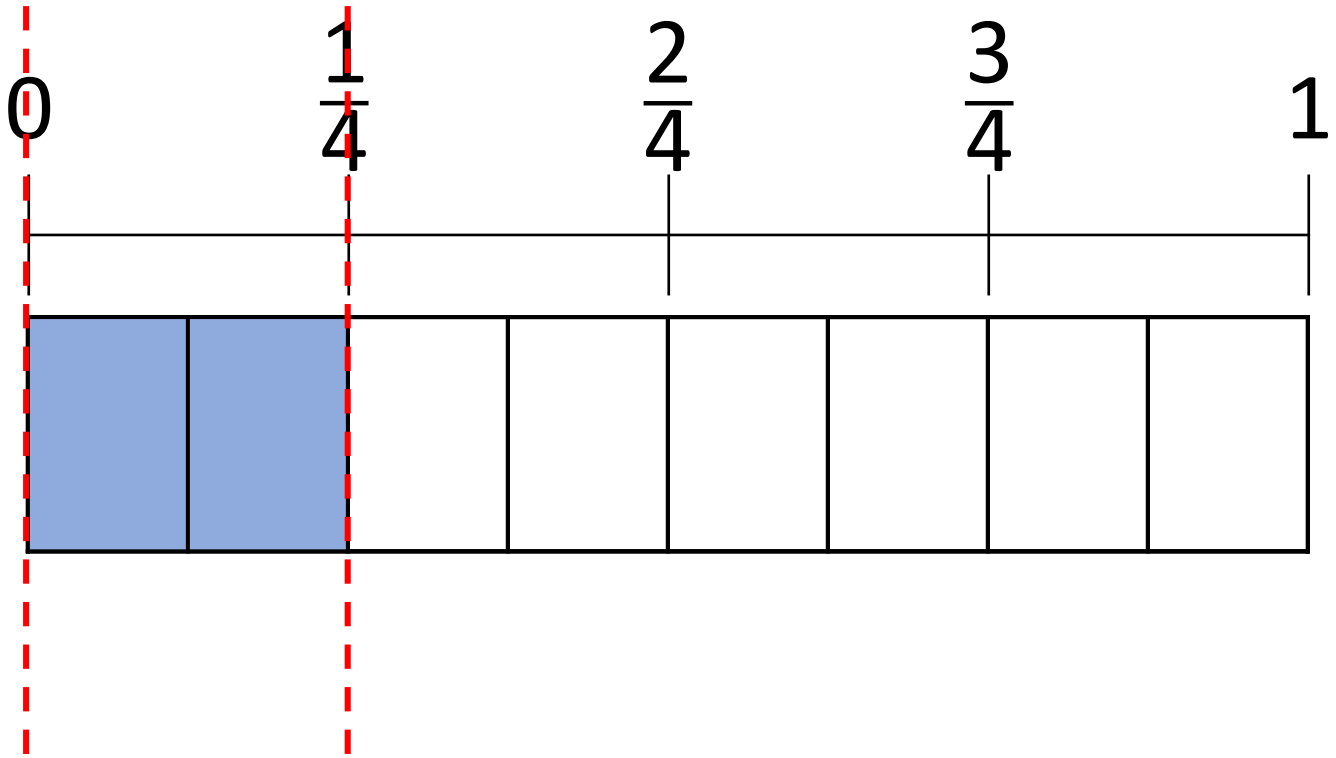


$\frac{1}{2}$ is equivalent to $\frac{2}{4}$

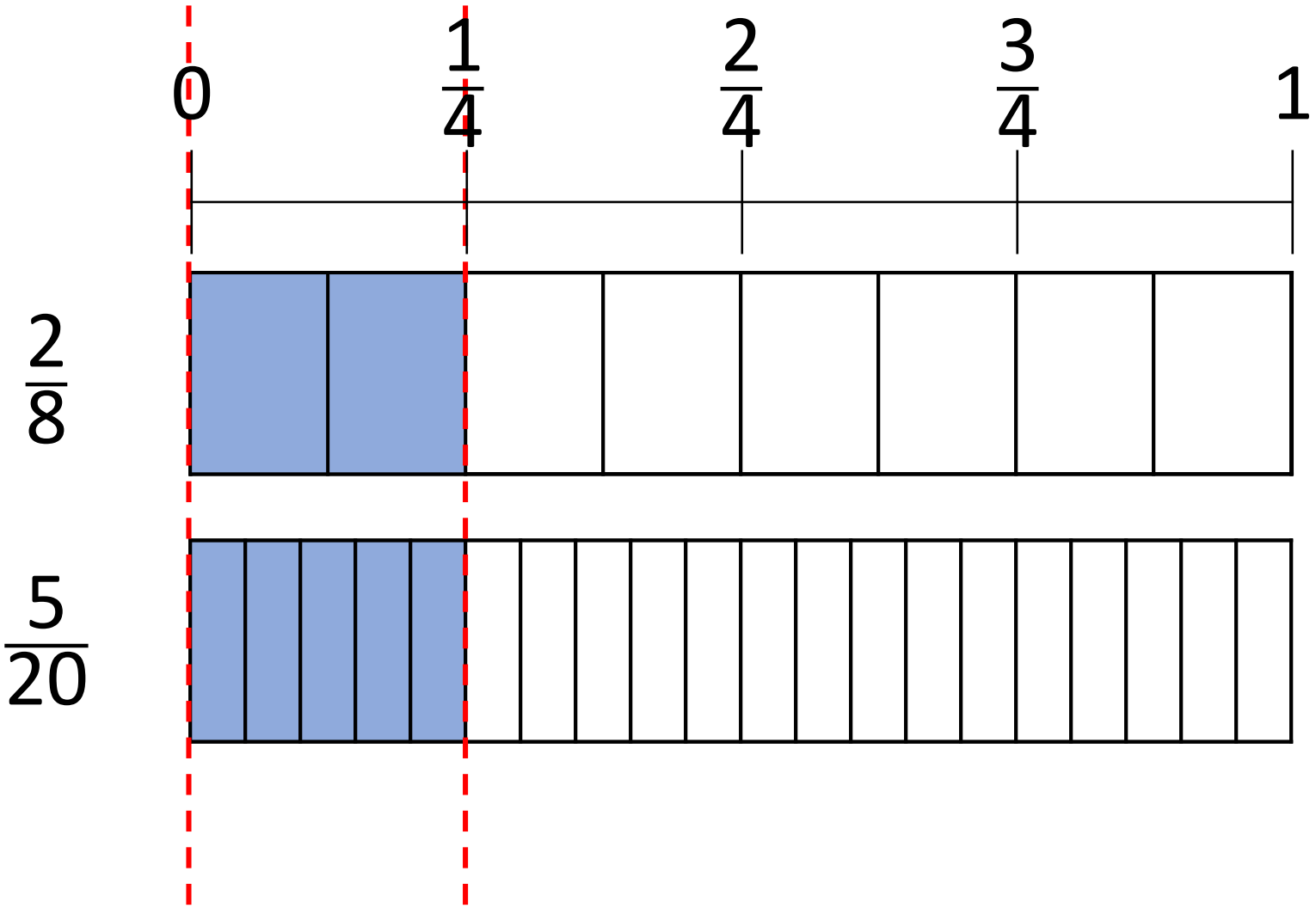
$\times 2 \left(\frac{1}{2} \right) \div 2$

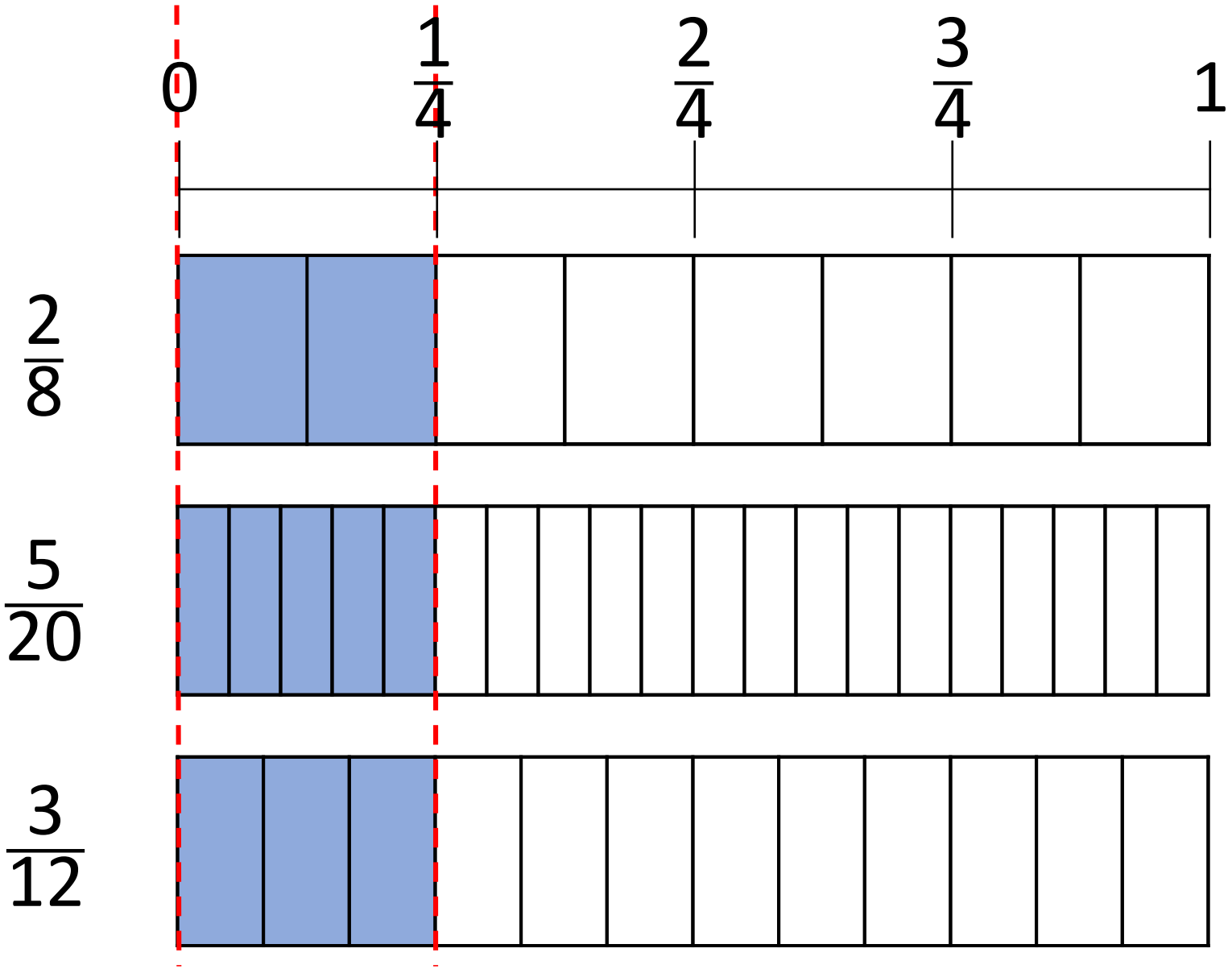
$\div 2 \left(\frac{2}{4} \right) \times 2$





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


0
1/4
2/4
3/4
1
2/8
5/20

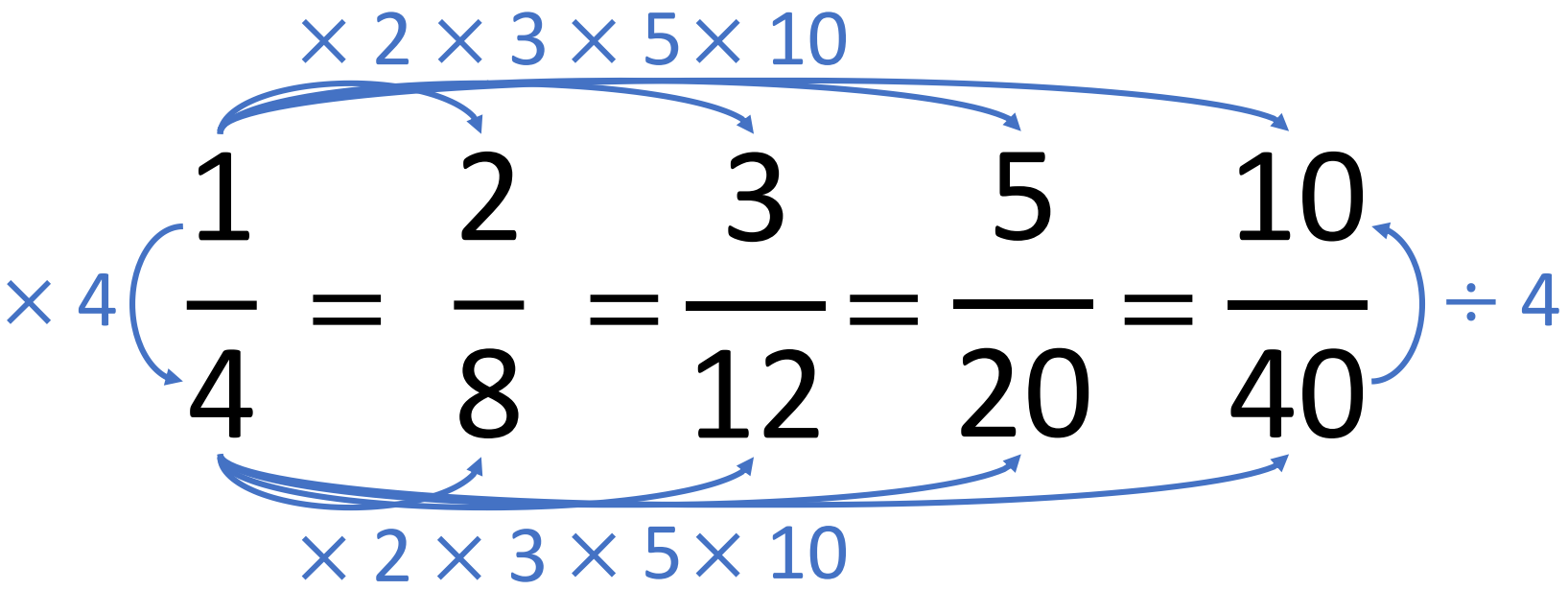

0
1/4
2/4
3/4
1
2/8
5/20
3/12

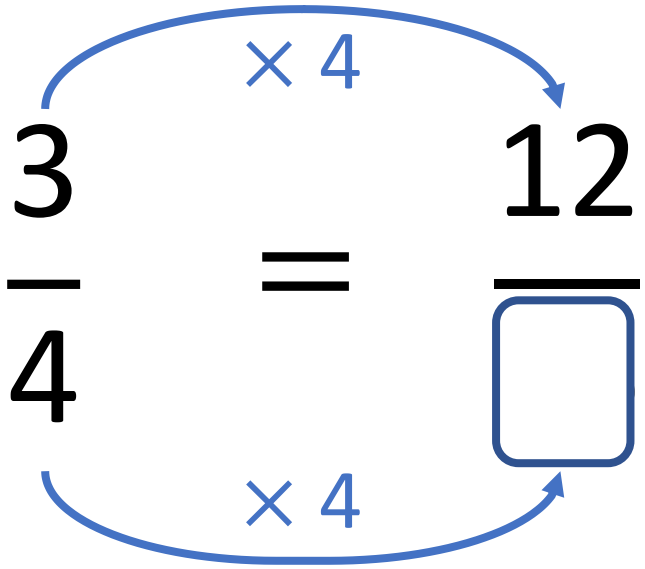
Have a think

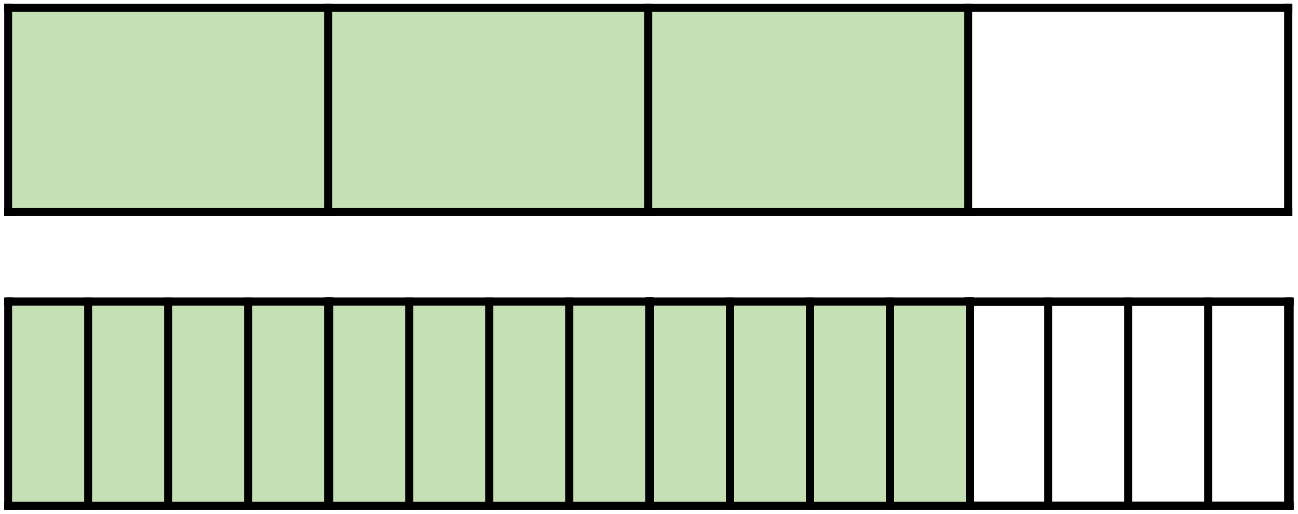
$$\frac{1}{4} = \frac{\square}{8} = \frac{3}{\square} = \frac{\square}{20} = \frac{\square}{\square}$$

Have a think

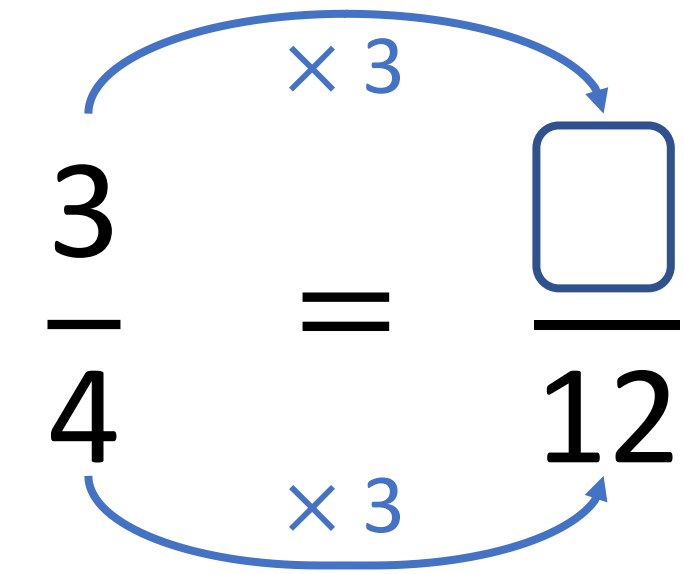
What do you notice?

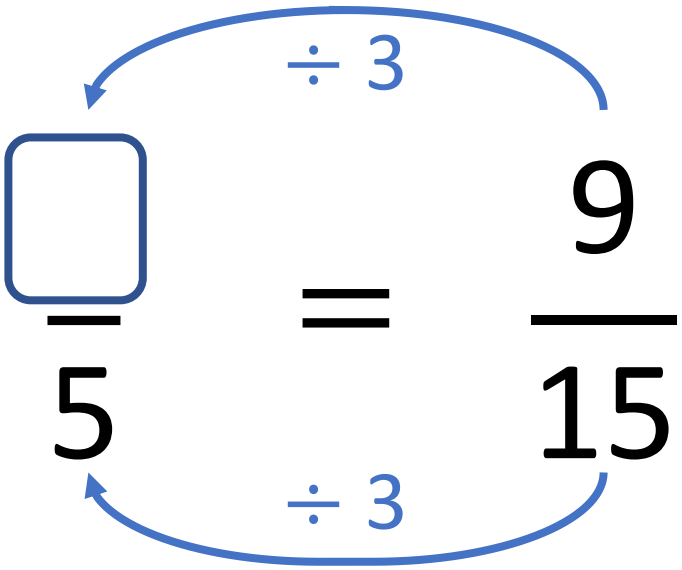



× 4
3
4
=
12
× 4



Have a think





YOUR TURN

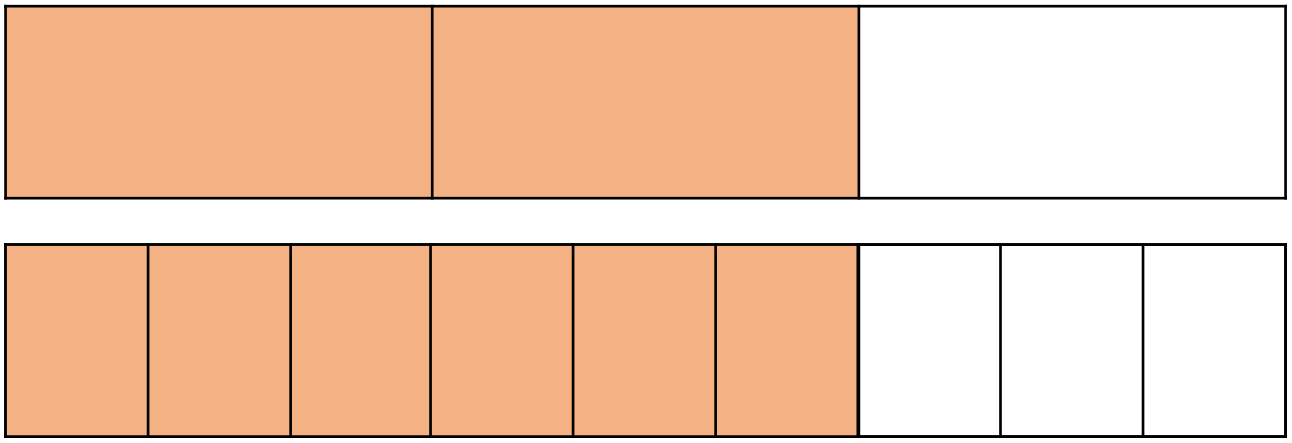
Have a go at questions 1 - 4 on the worksheet

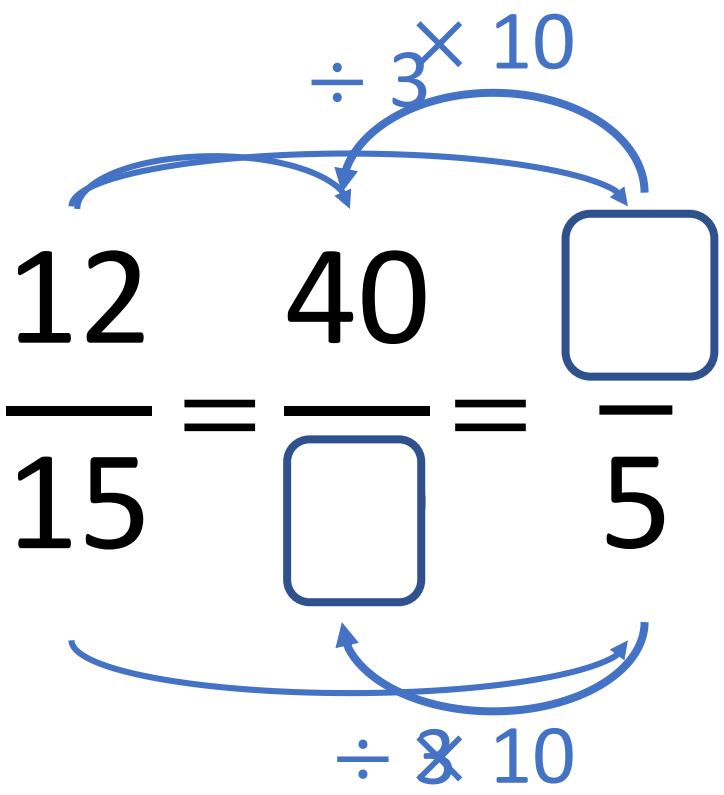
White Rose Maths

$$\frac{2}{3} \overset{\times 3}{=} \frac{6}{9}$$

Have a think

I added 6 to both the numerator and denominator.




÷ 3
× 10
12
15
=
40
□
=
□
5
÷ 8
× 10

YOUR TURN

Have a go at the rest of questions on the worksheet

White Rose Maths