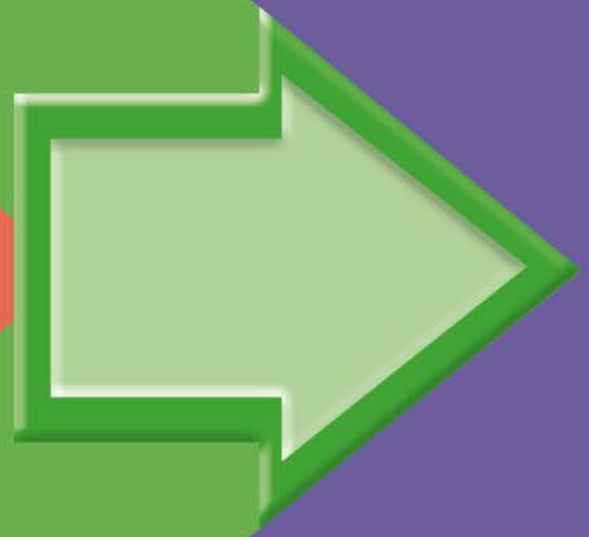
COMPARE AND ORDER (DENOMINATOR)



White Rose Maths

GET READY

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1) Complete the equivalent fraction.

$$\frac{2}{5} = \frac{\square}{20}$$

2) Write the first 7 multiples of 7

3) Write the first 7 multiples of 4

4) What is the lowest common multiple of 4 and 7?

1) Complete the equivalent fraction.

$$\frac{2}{5} = \frac{\square}{20}$$

$\times 4$

2) Write the first 7 multiples of 7

7, 14, 21, 28, 35, 42, 49

3) Write the first 7 multiples of 4

4, 8, 12, 16, 20, 24, 28

4) What is the lowest common multiple of 4 and 7?

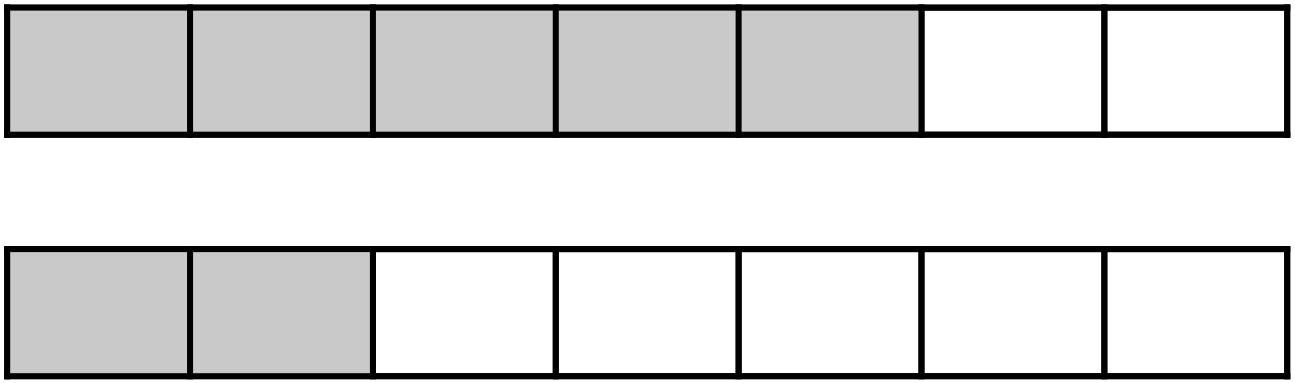
28

LET'S LEARN

White Rose Maths

Write $>$, $<$ or $=$ to compare the fractions

$\frac{5}{7}$ $>$ $\frac{2}{7}$

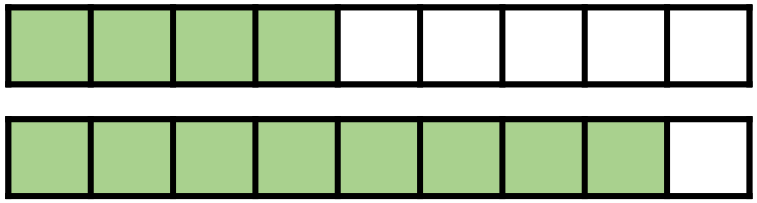


$\frac{5}{7}$ is greater than $\frac{2}{7}$

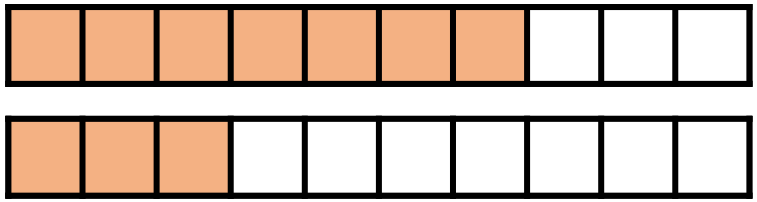
Have a think

Write $>, <$ or $=$ to compare the fractions

$\frac{4}{9} < \frac{8}{9}$



$\frac{7}{10} > \frac{3}{10}$

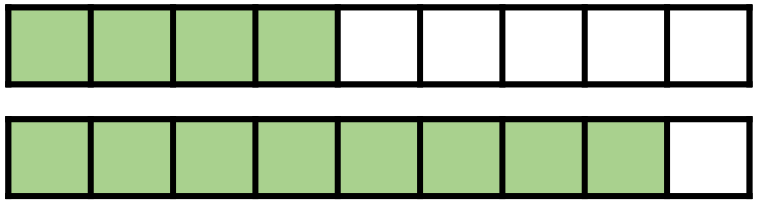


What's the same and what's different?

What do you notice?

Write $>$, $<$ or $=$ to compare the fractions

$\frac{4}{9} < \frac{8}{9}$



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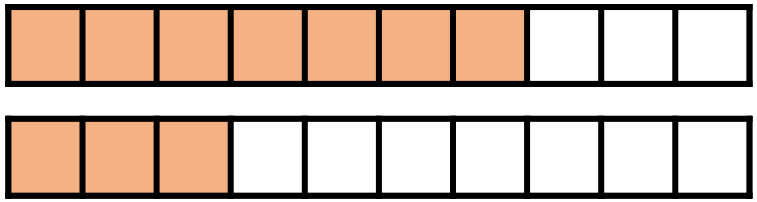


What's the same and what's different?

What do you notice?

When the denominators are the same, the greater the numerator, the greater the fraction.

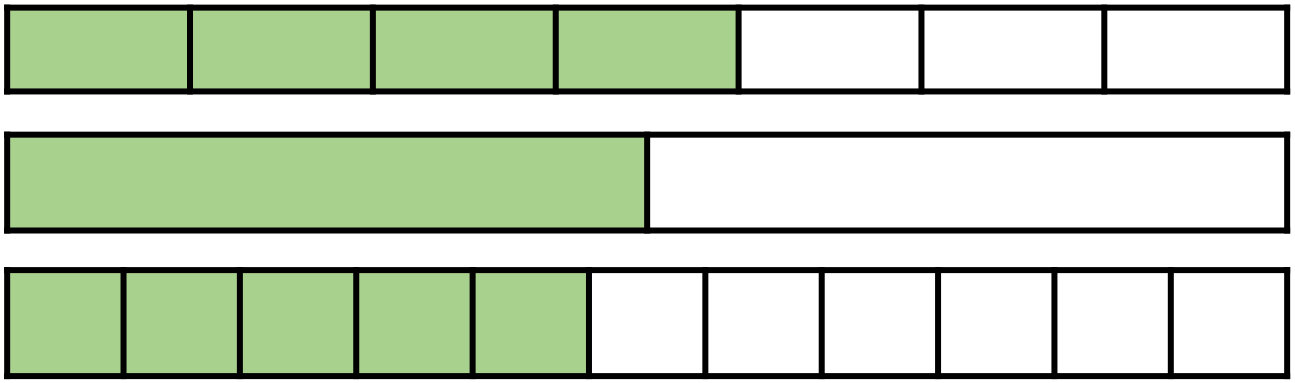
I know that $\frac{4}{7}$ is greater than $\frac{5}{11}$ without having to draw a bar model.

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

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

I know that $\frac{4}{7}$ is greater than one half and $\frac{5}{11}$ is less than one half, so $\frac{4}{7}$ has to be greater.

I know that $\frac{4}{7}$ is greater than $\frac{5}{11}$ without having to draw a bar model.



$\frac{4}{7}$

$7 \div 2 = 3.5$

$\frac{5}{11}$

$11 \div 2 = 5.5$

YOUR TURN

Have a go at questions 1 and 2 on the worksheet

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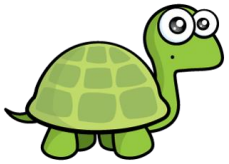
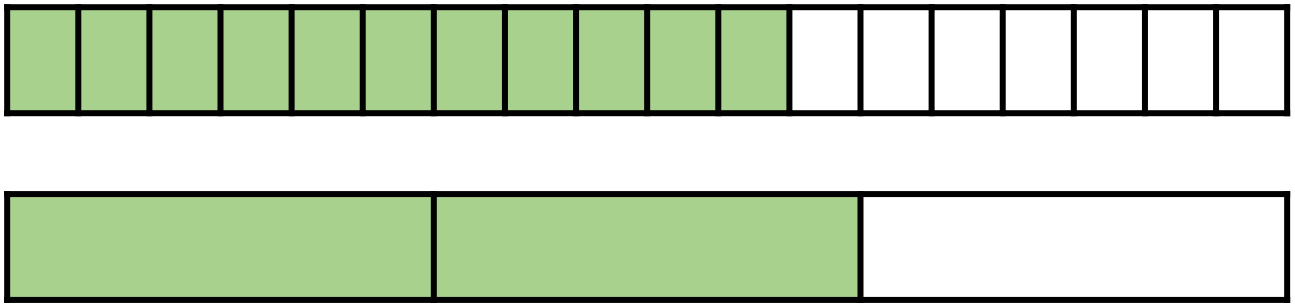


11 is greater than 2 so $\frac{11}{18}$ is greater than $\frac{2}{3}$



$$\frac{11}{18} \not> \frac{2}{3}$$

Write $>$, $<$ or $=$ to compare the fractions

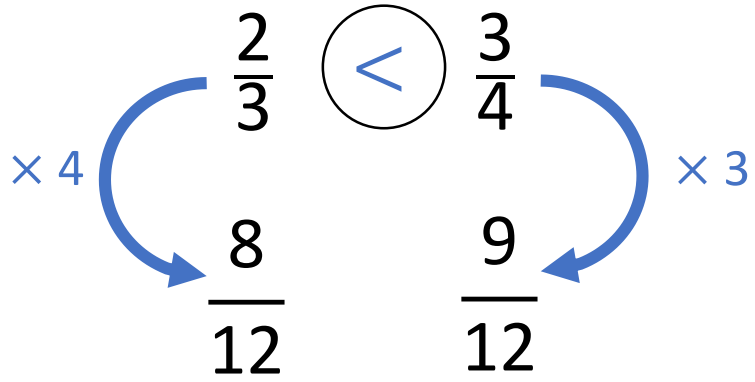
$$\frac{2}{5} \; < \; \frac{7}{15}$$

Multiples of 5: 5, 10, 15

$$\frac{2}{5} \times 3 = \frac{6}{15}$$

$$\frac{6}{15} < \frac{7}{15}$$

Write $>$, $<$ or $=$ to compare the fractions



Multiples of 3: 3, 6, 9, 12, 15, 18

Multiples of 4: 4, 8, 12, 16, 20

Rosie and Amir both baked some cakes. They got a little peckish and ate part of a cake!

I have $2\frac{5}{6}$ cakes left.

I have $2\frac{4}{5}$ left.

Who has the most cake left?

$$\frac{14}{5} = 14 \div 5 = 2\frac{4}{5}$$

Have a think

Rosie and Amir both baked some cakes. They got a little peckish and ate part of a cake!

Who has the most cake left?

$\frac{5}{6}$ $\times 5$ $\frac{25}{30}$

$\frac{4}{5}$ $\times 6$ $\frac{24}{30}$

Multiples of 6: 6, 12, 18, 24, 30

Multiples of 5: 5, 10, 15, 20, 25, 30

YOUR TURN

Have a go at the questions on the worksheet

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