COMPARE AND ORDER FRACTIONS LESS THAN 1

White Rose Maths

GET READY

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1) Complete the equivalent fraction.

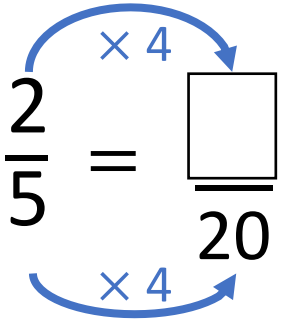
$$\frac{2}{5} = \frac{\square}{20}$$

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.



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?

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LET'S LEARN

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

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

$\frac{3}{10}$ is _____ than $\frac{7}{10}$

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

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

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

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

Multiples of 5: 5, 10, 15

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

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

Have a think

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

$\frac{3}{18}$ $\frac{1}{6}$ $<$ $\frac{5}{18}$

$\frac{12}{25}$ $<$ $\frac{3}{5}$ $\frac{15}{25}$

$\frac{36}{36}$ $=$ $\frac{9}{9}$

Have a think

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

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.

$$\frac{4}{7} > \frac{1}{2}$$

$$7 \div 2 = 3.5$$

$$\frac{5}{11} < \frac{1}{2}$$

$$11 \div 2 = 5.5$$

Have a think

$$\frac{8}{14} \bigcirc \frac{10}{22}$$

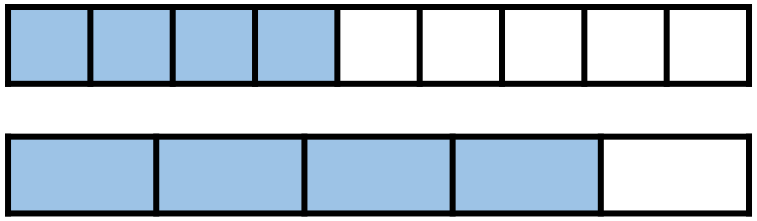
$14 \div 2 = 7$

$22 \div 2 = 11$

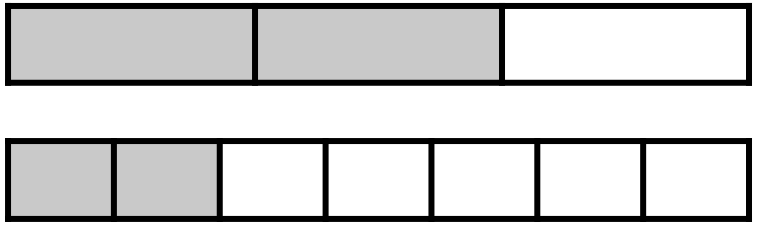
$$\frac{8}{14} > \frac{1}{2}$$

$$\frac{10}{22} < \frac{1}{2}$$

$\frac{4}{9} < \frac{4}{5}$



$\frac{2}{3} > \frac{2}{7}$



Have a think

What's the same and what's different?

What do you notice?

When the numerators are the same, the greater the denominator, the smaller the fraction.

$\frac{1}{3} > \frac{1}{100}$

When the numerators are the same, the greater the denominator, the smaller the fraction.

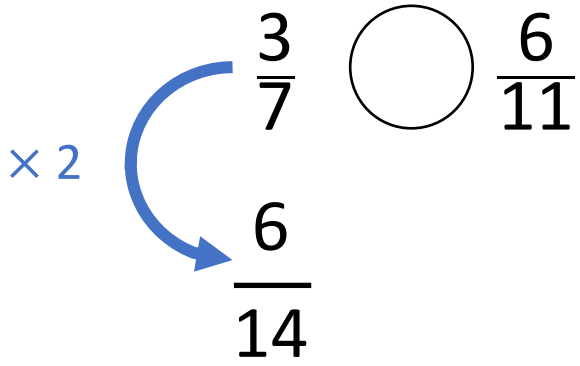
When the numerators are the same, the smaller the denominator, the greater the fraction.

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

$$\frac{3}{7} \bigcirc \frac{6}{11}$$

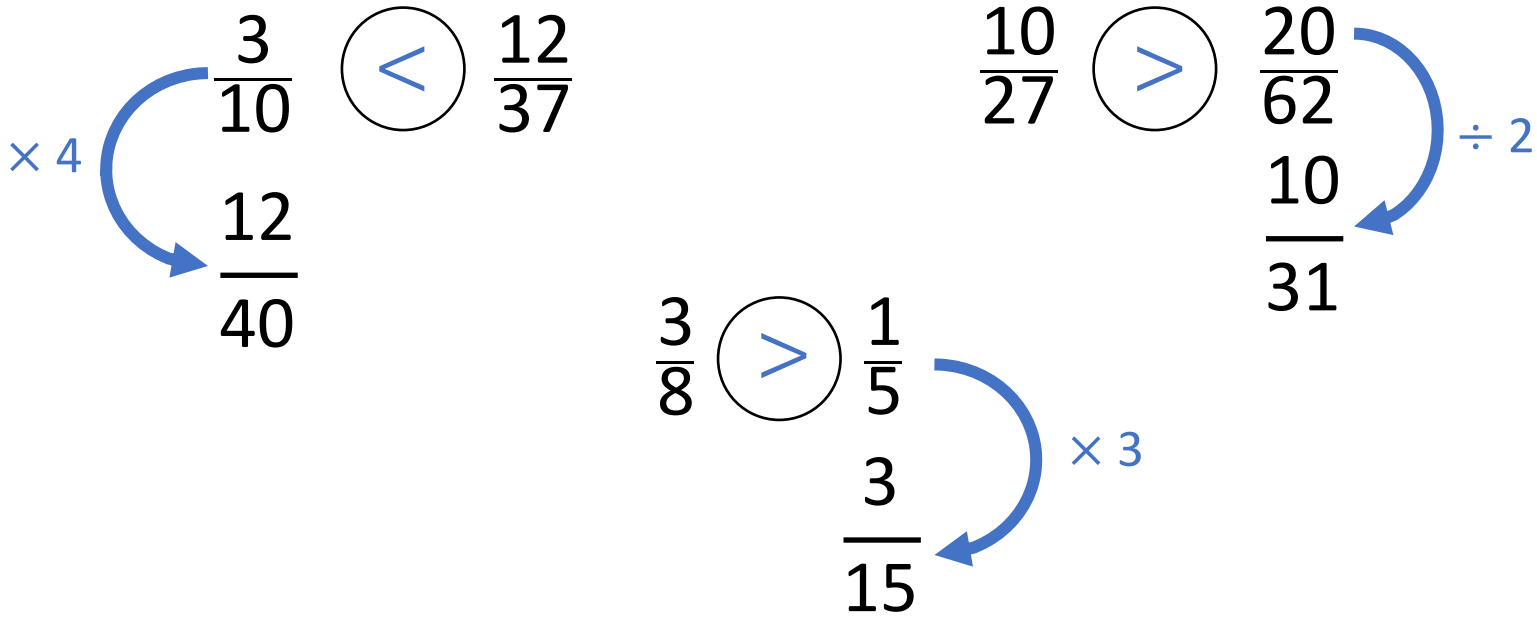
$$\frac{3}{7} < \frac{6}{11}$$

When the numerators are the same, the greater the denominator, the smaller the fraction.



Have a think

When the numerators are the same, the greater the denominator, the smaller the fraction.



YOUR TURN

Have a go at questions 1 - 4 on the worksheet

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