


## Comparing Fractions




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$\frac{3}{5}$

$\frac{7}{15}$

5 and 15 are both multiples of 5 therefore we can compare them.
$\square$


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To compare these two fractions, you must look at what has changed in the denominator, e.g. $4 \times 3=12$

Therefore, if the numerator has changed in the same way, the fractions would be equal, e.g. $1 \times 3=3$


Remember the Rule: When using multiplication to change the denominator of the fraction, whatever you do to the denominator, you must do the same to the numerator.

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Can you compare these two fractions by looking at what has changed in the denominator and seeing if it is the same in the numerator?


Remember the Rule: Whatever you do to the denominator, you must do the same to the numerator.

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Hang on... that's not right!
$1 \times 4=4$. Not 6 .

So these fractions are not equal. Which fraction is larger?

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Can you compare these two fractions by looking at what has changed in the denominator?


Remember the Rule: Whatever you do to the denominator, you must do the same to the numerator.

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Have a go at comparing these fractions:
$\frac{2}{5}$
$\frac{2}{3}$

$\frac{3}{4}$

$\frac{12}{16}$

## Ordering Fractions

The denominator in each of these fractions is a multiple of 4 therefore, we can compare and order them.

$$
\begin{array}{llll}
\frac{4}{8} & \frac{1}{4} & \frac{3}{4} & \frac{5}{8}
\end{array}
$$

First, change all of the fractions so that they have the same denominator.

$$
\frac{4}{8} \quad \frac{2}{8} \quad \frac{6}{8} \quad \frac{5}{8}
$$

Then write them in order from smallest to largest. Remember to write them in their original form.

$$
\begin{array}{llll}
\frac{1}{4} & \frac{4}{8} & \frac{5}{8} & \frac{3}{4}
\end{array}
$$

## Ordering Fractions

Can you order the following fractions from smallest to largest? Start by changing each of the fractions so that the denominator is 20.

| $\frac{2}{5}$ | $\frac{2}{10}$ | $\frac{9}{10}$ | $\frac{3}{5}$ | $\frac{3}{10}$ |
| :--- | :--- | :--- | :--- | :--- |
| $\frac{8}{20}$ | $\frac{4}{20}$ | $\frac{18}{20}$ | $\frac{12}{20}$ | $\frac{6}{20}$ |

Now put them in order! Remember to write them in their original form!


## Ordering Fractions

Order these fractions from smallest to largest? Decide on what denominator to change each fraction to.

$$
\begin{array}{lllll}
\frac{1}{2} & \frac{3}{8} & \frac{3}{4} & \frac{7}{8} & \frac{2}{8} \\
\frac{4}{8} & \frac{3}{8} & \frac{6}{8} & \frac{7}{8} & \frac{2}{8}
\end{array}
$$

Now put them in order! Remember to write them in their original form!

$$
\begin{array}{lllll}
\frac{2}{8} & \frac{3}{8} & \frac{1}{2} & \frac{3}{4} & \frac{7}{8}
\end{array}
$$



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