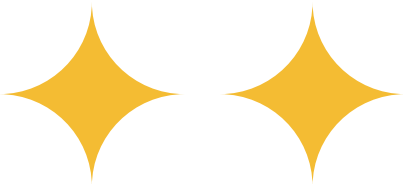




Revision
Guides

Simplifying Fractions



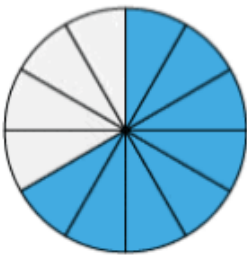
Introduction...

Simplifying (or reducing) fractions means to make the fraction as simple as possible.

Why say four-eighths ($4/8$) when we really mean half ($1/2$) ?

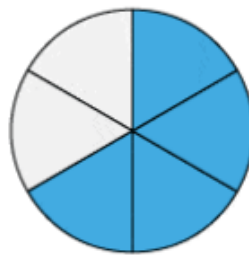
Original Fraction

$$\frac{8}{12}$$



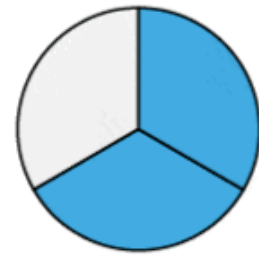
Not yet!

$$\frac{4}{6}$$



Simplest form

$$\frac{2}{3}$$



Examples...

Let's try to solve some example together -

Can we simplify $\frac{27}{108}$

first we need to figure out what number goes in to divide these..
3 goes in... So, let's divide it out!

$$\frac{27 \div 3}{108 \div 3} = \frac{9}{36}$$

So, that was easy! Can we try 9 ?

$$\frac{9 \div 9}{36 \div 9} = \frac{1}{4}$$

So $\frac{27}{108} = \frac{1}{4}$

Things to Remember...

You can divide the numerator and the denominator by any number... if you use the same number for both!

For example, you can't divide the numerator by 3 and the denominator by 5.

You need to get the numerator and denominator as small as possible.



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