Comparing fractions

All fractions have a value:

It is possible compare two or more frations using the following symbols:

GREATER THAN **LESS THAN** **EQUAL TO**

$>$ $<$ $=$

$$\frac{8}{5} = \frac{8}{5}$$

SAME NUMERATOR	SAME DENOMINATOR
$\dfrac{3}{5} > \dfrac{3}{8}$	$\dfrac{3}{4} < \dfrac{7}{4}$
The smaller the denominator, the greater the fraction	The larger the numerator, the greater fraction

Different Numerator and Denominator

If you are comparing two fractions with DIFFERENT NUMERATORS and DENOMINATORS, find EQUIVALENT FRACTIONS with the SAME DENOMINATOR
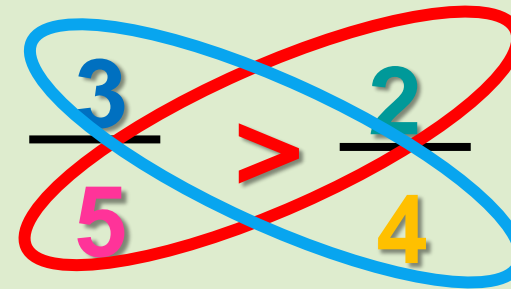
You can also use the butterfly method: CROSS MULTIPLY and then COMPARE the PRODUCTS: THE LARGER PRODUCT lies on the same side of the GREATER FRACTION

$$\frac{3}{5} > \frac{2}{4}$$

3/5 is greater than 2/4 because when you multiply to get the common denominator of 20,

12 IS GREATER THAN 20

$$\frac{3}{5} \times \frac{4}{4} = \frac{12}{20}$$

$$\frac{2}{4} \times \frac{5}{5} = \frac{10}{20}$$

$$\frac{3}{5} > \frac{2}{4}$$

3 X 4 = 12

2 X 5 = 10

12 IS GREATER THAN 10 SO 3/5 IS GREATER THAN 2/4

Compare the fractions
Let's Try It!

https://goo.gl/NbMQfb
https://goo.gl/2cTA6f