

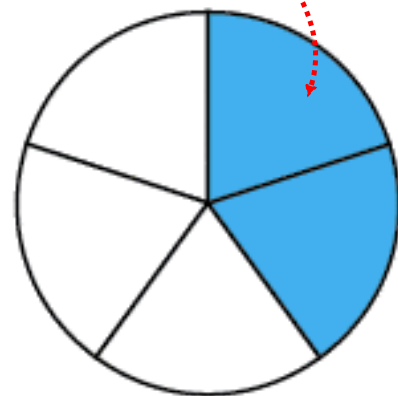
Tuesday

**2**

numerator - how many parts we're talking about

**5**

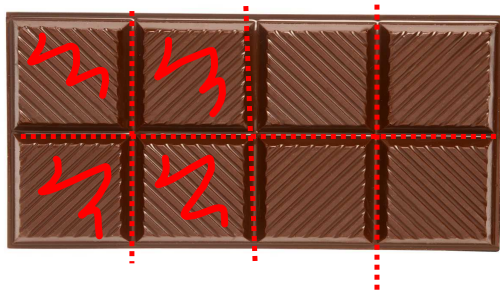
denominator - how many parts the whole has been split in to



The **denominator** tells us how many parts the number/shape is divided in to.

The **numerator** tells us how many parts we are talking about.





Compare:

$\frac{3}{8}$  and  $\frac{4}{8}$

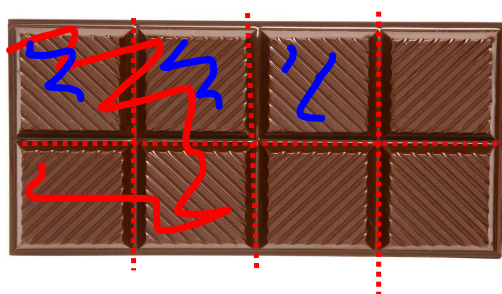
$\frac{7}{8}$  and  $\frac{5}{8}$

$\frac{1}{8}$  and  $\frac{8}{8}$

$>$  is larger than

$<$  is smaller than

$=$  is equal to



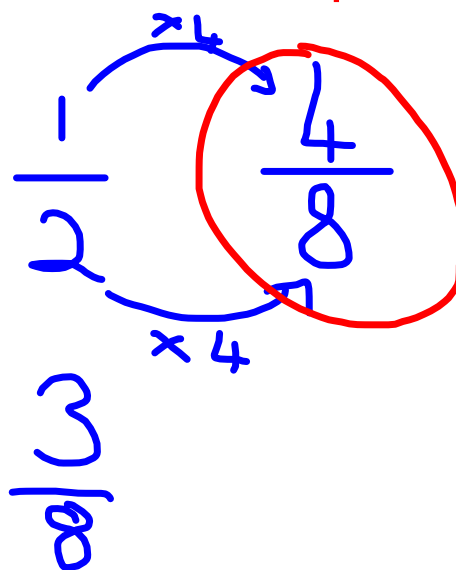
> is larger than

< is smaller than

= is equal to

Compare:

1/2 and 3/8



Compare:

$$\frac{1}{4} \quad \text{or} \quad \frac{4}{20}$$

1. What number do the denominators both fit in to?
2. Multiply the denominator to get to that number.
3. Multiply the numerator by the same number.
4. Now compare  $>$   $<$   $=$

Compare:

The diagram illustrates the process of comparing two fractions,  $\frac{3}{4}$  and  $\frac{8}{12}$ . On the left, the fraction  $\frac{3}{4}$  is shown with the numerator 3 in red and the denominator 4 in blue. A green arrow labeled  $\times 3$  points from the denominator 4 to the number 12, indicating the multiplication of the denominator by 3. Another green arrow labeled  $\times 3$  points from the numerator 3 to the number 9, indicating the multiplication of the numerator by 3. This results in the fraction  $\frac{9}{12}$ , where the numerator 9 is in green and the denominator 12 is in green. To the right of  $\frac{9}{12}$  is the word "or" in black, followed by a green greater-than sign  $>$ . To the right of the sign is the fraction  $\frac{8}{12}$ , with the numerator 8 in red and the denominator 12 in blue.

1. What number do the denominators both fit in to?
2. Multiply the denominator to get to that number.
3. Multiply the numerator by the same number.
4. Now compare  $>$   $<$   $=$

Compare these fractions:

The diagram shows two fractions being compared:  $\frac{2}{3}$  and  $\frac{4}{5}$ . A less-than sign (<) is placed between them. To the right of  $\frac{2}{3}$  is the fraction  $\frac{10}{15}$ . A green arc connects the denominator 3 to 15, with "x5" written above and below the arc. To the right of  $\frac{4}{5}$  is the fraction  $\frac{12}{15}$ . A green arc connects the denominator 5 to 15, with "x3" written above and below the arc. The fraction  $\frac{12}{15}$  is circled in green.

Convert to an equivalent fraction

1. What number do the denominators both fit in to?
2. Multiply the denominator to get to that number.
3. Multiply the numerator by the same number.
4. Now compare > < =

5.01.21

L.O.: I can compare fractions

Mild, Spicy, Hot

All on one sheet  
called 'Y5 Maths

Day 1'. Choose

your level. If you

finish Mild or Spicy

easily, go on to the

next level.

&lt; is less than

&gt; is greater than

= is equal to

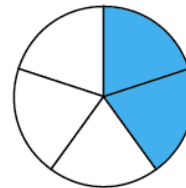
$$\frac{1}{4} < \frac{3}{4}$$



Wednesday: More converting...

$$\frac{6}{8} \xrightarrow{\times 3} \frac{18}{24} > \frac{16}{24}$$

**2** numerator - how many parts we're talking about  
**5** denominator - how many parts the whole has been split in to



1. What number do the denominators both fit in to?
2. Multiply the denominator to get to that number.
3. Multiply the numerator by the same number.
4. Now compare  $>$   $<$   $=$

$$\frac{14}{25} < \frac{3}{5} \rightarrow \frac{15}{25}$$

1. What number do the denominators both fit in to?
2. Multiply the denominator to get to that number.
3. Multiply the numerator by the same number.
4. Now compare  $>$   $<$   $=$

Handwritten diagram showing the comparison of two fractions,  $\frac{3}{5}$  and  $\frac{7}{8}$ , by finding a common denominator of 40. The fraction  $\frac{3}{5}$  is multiplied by 8 to get  $\frac{24}{40}$ , and the fraction  $\frac{7}{8}$  is multiplied by 5 to get  $\frac{35}{40}$ . A less-than sign ( $<$ ) is placed between the two resulting fractions.

1. What number do the denominators both fit in to?
2. Multiply the denominator to get to that number.
3. Multiply the numerator by the same number.
4. Now compare  $>$   $<$   $=$

# Wednesday's task:

'Y5 Maths Day 2' on the school website.

1) Make each number sentence correct using =, < or >.

$$\frac{3}{4} \text{ } \frac{1}{2}$$

$$\frac{7}{15}$$

$$\frac{3}{5}$$

$$\frac{4}{10}$$

$$\frac{6}{20}$$

$$\frac{3}{8} \text{ } \frac{1}{2}$$

$$\frac{5}{6}$$

$$\frac{9}{18}$$

$$\frac{2}{5}$$

$$\frac{4}{10}$$

$$\frac{2}{3} \text{ } \frac{3}{9}$$

$$\frac{7}{24}$$

$$\frac{3}{8}$$

$$\frac{12}{25}$$

$$\frac{3}{5}$$

• Pick 3 of your answers and explain clearly why you think you are correct.

2) Use the following numbers to make these equations correct:

16 15 21 7 12 2 16 12 19 4 3

$$\frac{\square}{8} = \frac{\square}{40}$$

$$\frac{\square}{15} > \frac{\square}{25}$$

$$\frac{\square}{6} < \frac{\square}{21}$$

$$\frac{\square}{8} < \frac{\square}{12}$$

$$\frac{\square}{10} > \frac{\square}{35}$$

$$\frac{\square}{16} > \frac{\square}{48}$$

## Thursday's task:

'Y5 Maths Day 3' on school website.

You'll need to use trial and improvement!

Obviously do the maths! Check your answers work!

L.O.: I can convert and compare fractions.

Use the digits below to make two equivalent fractions.

1) 7    3    21    9

$$\frac{\boxed{3}}{\boxed{7}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

2) 5    28    20    7

$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

3) 4    3    9    12

$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

4) 6    16    40    15

$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

5) 33    9    15    55

$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

6) 33    9    15    55

$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

Look at the digits below. Organise them into 7 different equivalent fractions.

30    15    42    35    28    10    20    7    35    49    14    25    21    5

How many ways?

Complete the fractions using three of the number cards.

$$\frac{\boxed{\phantom{00}}}{\boxed{8}} > \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

3 4 5  
6

Here are some fraction cards.  
All of the fractions are equivalent.

$$\frac{4}{A}$$

$$\frac{B}{C}$$

$$\frac{20}{50}$$

$$A + B = 16$$

Calculate the values of A, B and C.

A =

B =

C =

Challenge!

