

Key Vocabulary

tenths

equal parts

unit fractions

non unit fractions

numerator

denominator

equivalent fractions

compare

order

sequence

more than

less than

Add and subtract fractions

When adding and subtracting fractions with the same denominator, **the denominator doesn't change.**

$$\frac{3}{7} + \frac{2}{7} = \frac{5}{7} \quad \frac{5}{6} - \frac{2}{6} = \frac{3}{6}$$



Compare

We can compare fractions with the same denominator using the symbols $<$, $>$ and $=$.

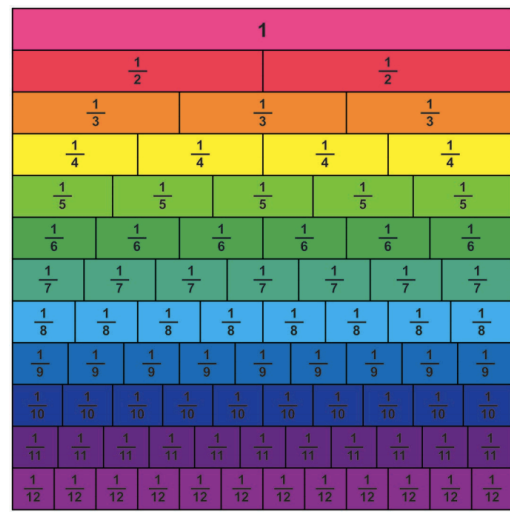


The words less than, more than and equal to might be used instead.



Order

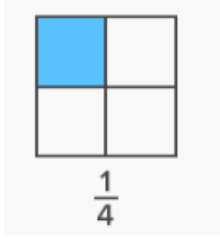
We can order unit fractions, and fractions with the same denominators. A **fraction wall** helps visually when comparing, ordering and finding equivalent fractions.



Smallest to largest
1/8, 3/8, 4/8, 6/8, 7/8

Unit / Non unit fractions

Unit fractions are fractions where the numerator (the top number on the fraction) is 1 and the denominator is a larger number.



Non-unit fractions are fractions where the numerator is more than one

$$\frac{4}{8}$$

Fractions of amounts

Divide the amount by the **denominator** and **multiply** your answer by the **numerator**.

$$\frac{1}{4} \text{ of } 24 = 6$$



E.g. 24 divided by 4 multiplied by 1 equals 6
 $24 \div 4 \times 1 = 6$

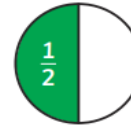
$$\frac{2}{5} \text{ of } 40 = 16$$



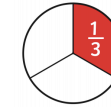
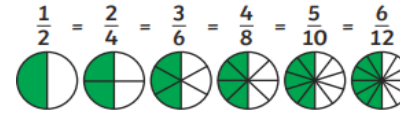
E.g. 40 divided by 5 multiplied by 2 equals 16
 $40 \div 5 \times 2 = 16$

Equivalent fractions

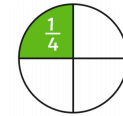
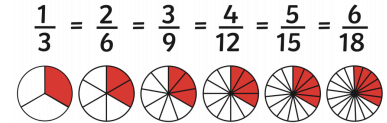
Equivalent fractions are fractions that are **equal to each other**



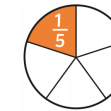
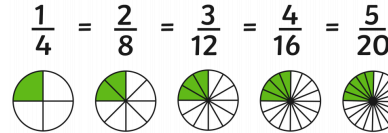
is equal to...



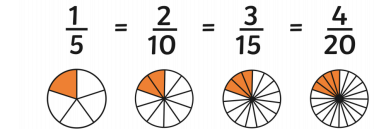
is equal to...



is equal to...

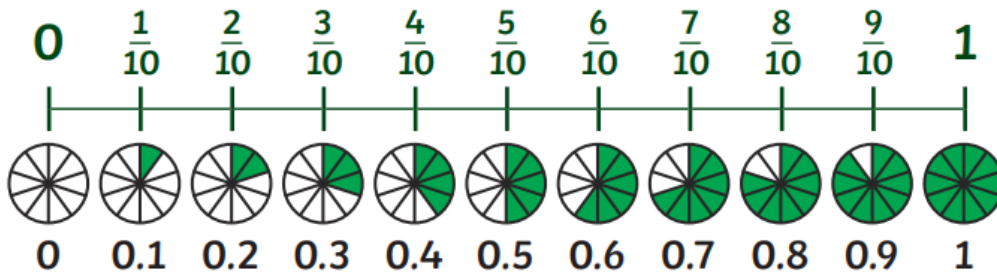


is equal to...



Fractions as decimals

Fractions and decimals both show a part of a whole. E.g. $1/10 = 0.1$ which is a tenth of a whole.

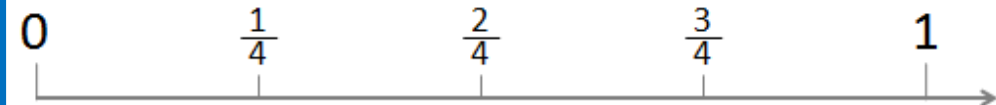


Number lines and sequences

Complete and create fraction number sequences

e.g. $1/6, 2/6, 3/6 \dots$

The next two fractions in the sequence are $4/6$, and $5/6$. They are going up in sixths.



When fractions with the same denominator are plotted on a number line, they are equally spaced along the line.