


Key Vocabulary	Definition
Fraction	A part of the whole
Numerator	number above the line of a fraction, showing the number of parts of the whole
Denominator	the bottom number in a fraction showing the number of parts the whole is divided into
Unit-fraction	a fraction with a numerator of 1 (eg 1/2)
Non-unit fraction	where the numerator is greater than 1 (eg 2/5)
Equivalent	fractions with the same value (eg. 1/2=2/4)
Halves	Split into 2 equal parts
Thirds	Split into 3 equal parts
Quarters	Split into 4 equal parts
Fifths	Split into 5 equal parts
Sixths	Split into 6 equal parts
Eighths	Split into 8 equal parts
Tenths	Split into 10 equal parts

Recognising Fractions



$\frac{3}{8}$

Numerator
How many equal parts of the whole are needed?

Denominator
How many equal parts are in the whole?

Comparing Fractions

$\frac{1}{3}$

$<$


$\frac{2}{3}$

$\frac{4}{5}$


$>$

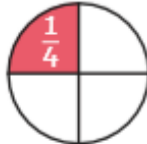
$\frac{3}{5}$

Equivalent Fractions



is equal to...

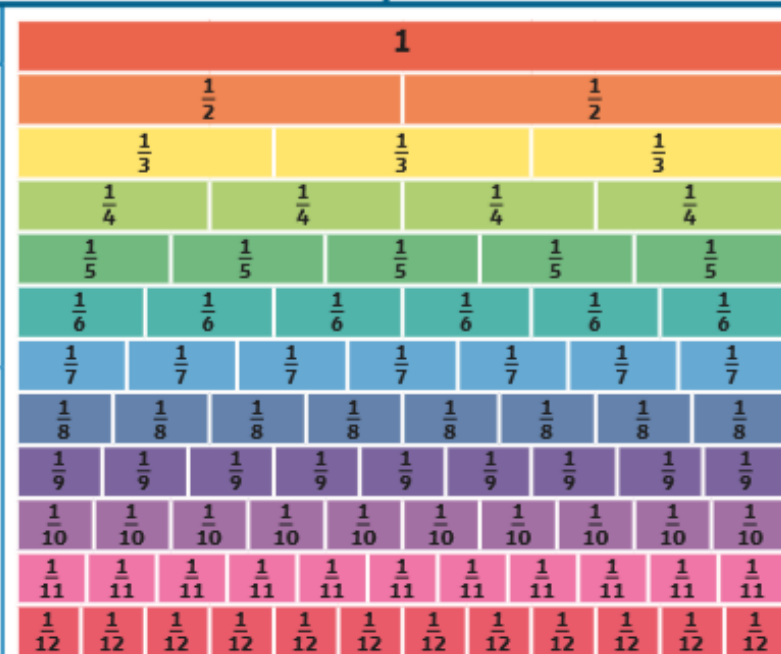
$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12}$




is equal to...

$\frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16} = \frac{5}{20}$



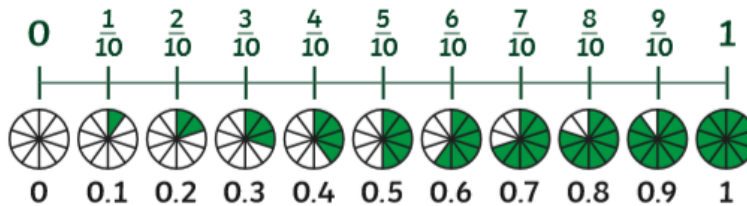


Add and Subtract Fractions

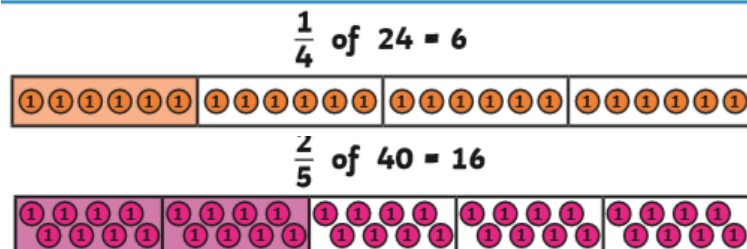
$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$$

$$\frac{5}{6} - \frac{2}{6} = \frac{3}{6}$$

Tenths



Fractions of Amounts



Real Life

- Sharing a pizza equally with friends
- Following a recipe (1/2 kg flour)
- Making squash (fill 1/8 of the glass with squash and 7/8 with water)
- Time (half an hour)

Prior Knowledge

Halves

Quarter

A whole split into four equal parts.

$\frac{1}{4}$ of 12 = 3

Thirds

Zooming out...

- 'Fraction' comes from Latin 'fractio' which means 'to break'
- The Ancient Egyptians first used fractions in 1800BC