

Fractions

Knowledge Organiser

Key Vocabulary

numerator

denominator

unit fraction

non-unit fraction

equivalent

halves

thirds

quarters

fifths

sixths

eighths

tenths

decimal tenths

Recognising Fractions



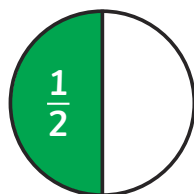
Numerator

How many equal parts of the whole are needed?

Denominator

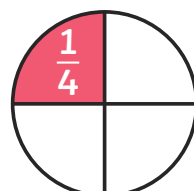
How many
equal parts are in
the whole?

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...

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



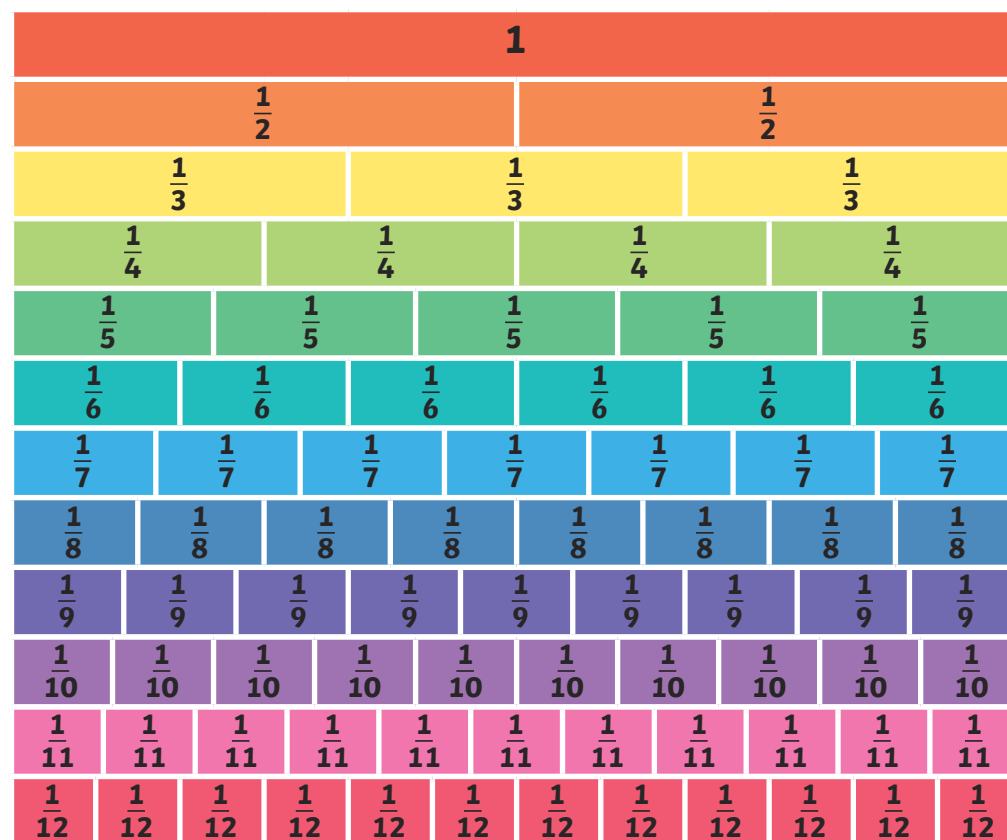
Comparing Fractions

$$\frac{1}{3}$$

Less than

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

Greater than

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


Fractions

Knowledge Organiser

Add and Subtract Fractions

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



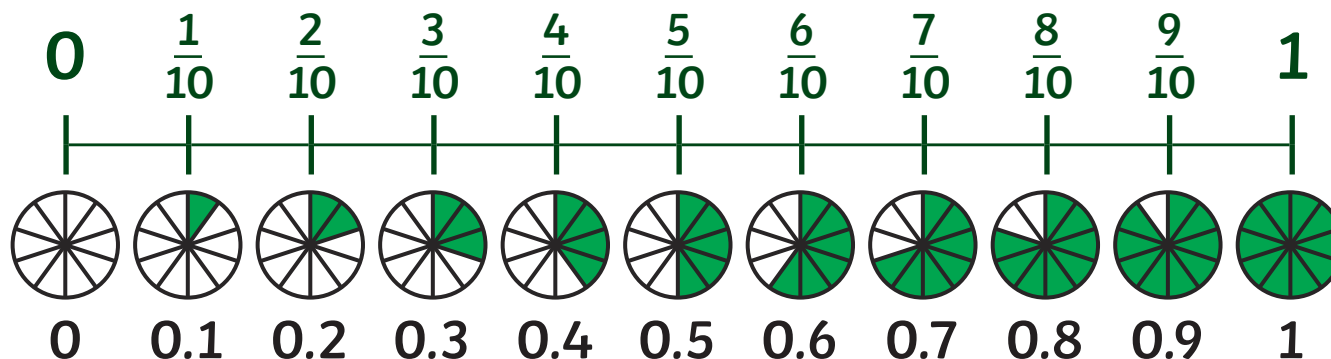
$$\frac{3}{7} + \frac{2}{7} = \frac{5}{7}$$



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



Tenths



Fractions of Amounts

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



$$\frac{1}{3} \text{ of } 72 = 24$$



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

