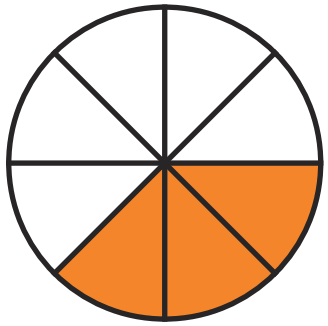
Fractions

Knowledge Organiser

Key Vocabulary

- numerator
- denominator
- unit fraction
- non-unit fraction
- equivalent
- halves
- thirds
- quarters
- fifths
- sixths
- eighths
- tenths
- decimal tenths

Recognising Fractions



$\frac{3}{8}$

Numerator
How many equal parts of the whole are needed?

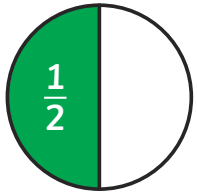
Denominator
How many equal parts are in the whole?

Comparing Fractions

$\frac{1}{3}$ Less than $\frac{2}{3}$

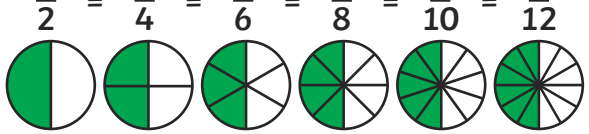
$\frac{4}{5}$ Greater than $\frac{3}{5}$

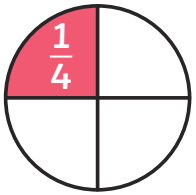
Equivalent Fractions



$\frac{1}{2}$ is equal to...

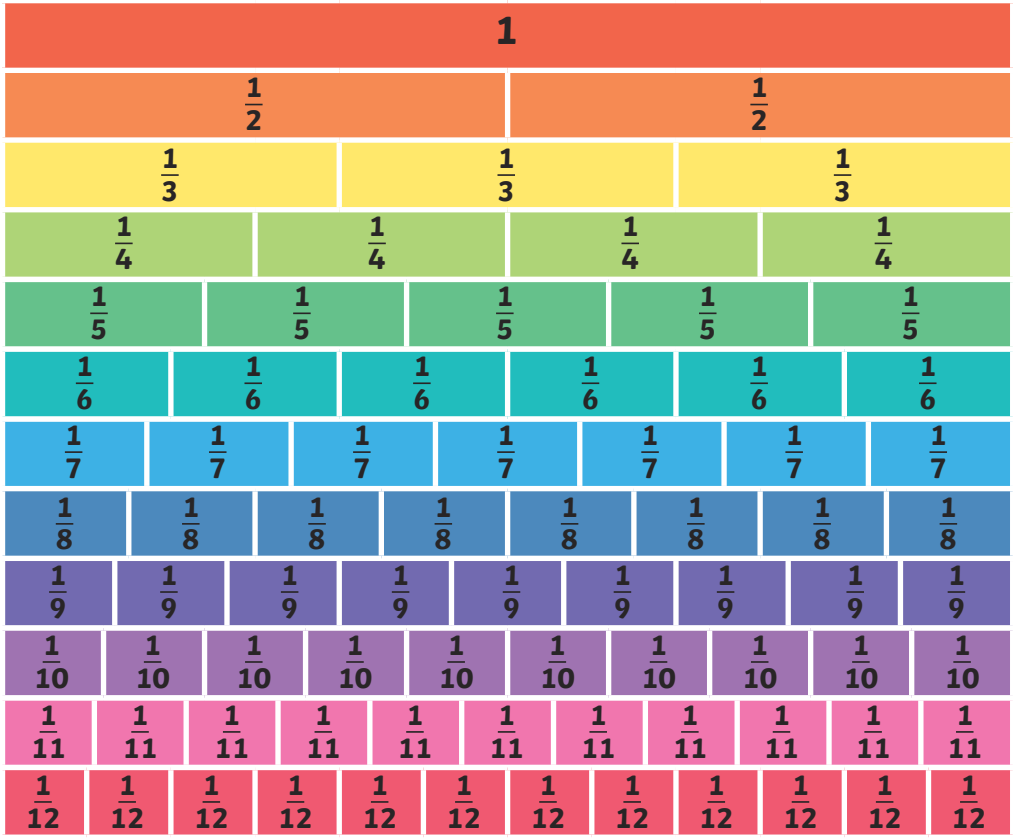
$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12}$





$\frac{1}{4}$ is equal to...

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



Fractions — Knowledge Organiser

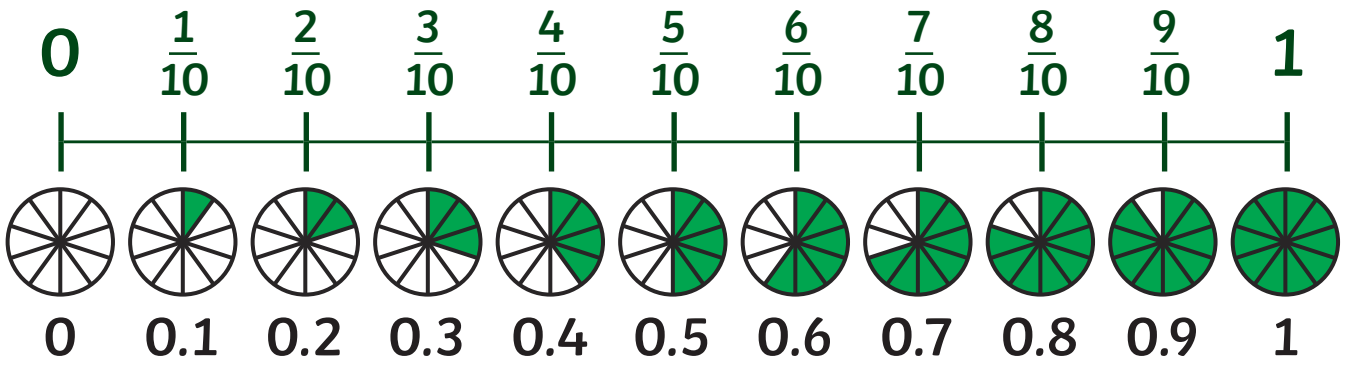
Add and Subtract Fractions

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

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

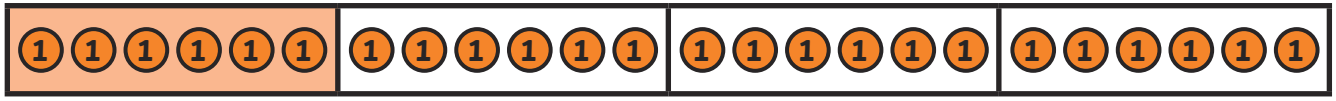
$\frac{5}{6} - \frac{2}{6} = \frac{3}{6}$

Tenths



Fractions of Amounts

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



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

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