

Fractions Knowledge Organiser

Maths

Write it!

numerator

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

This is how many equal parts you have.

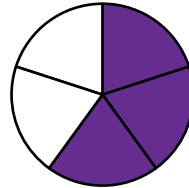
denominator

This is how many equal parts there are altogether.

Say it

three fifths
three out of five

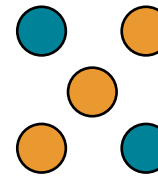
Model it



3 parts of this circle are coloured in purple. There are 5 parts altogether.



3 parts out of 5 parts altogether are coloured in red.



3 out of 5 counters are orange.



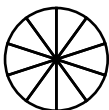
3 out of the 5 sweets are cola bottles.



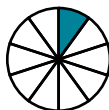
Three fifths of the children are boys.

Count in fractions

$$\frac{0}{10}$$



$$\frac{1}{10}$$



$$\frac{2}{10}$$



$$\frac{3}{10}$$



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



$$\frac{5}{10}$$



$$\frac{6}{10}$$



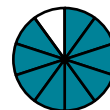
$$\frac{7}{10}$$



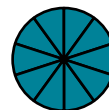
$$\frac{8}{10}$$



$$\frac{9}{10}$$

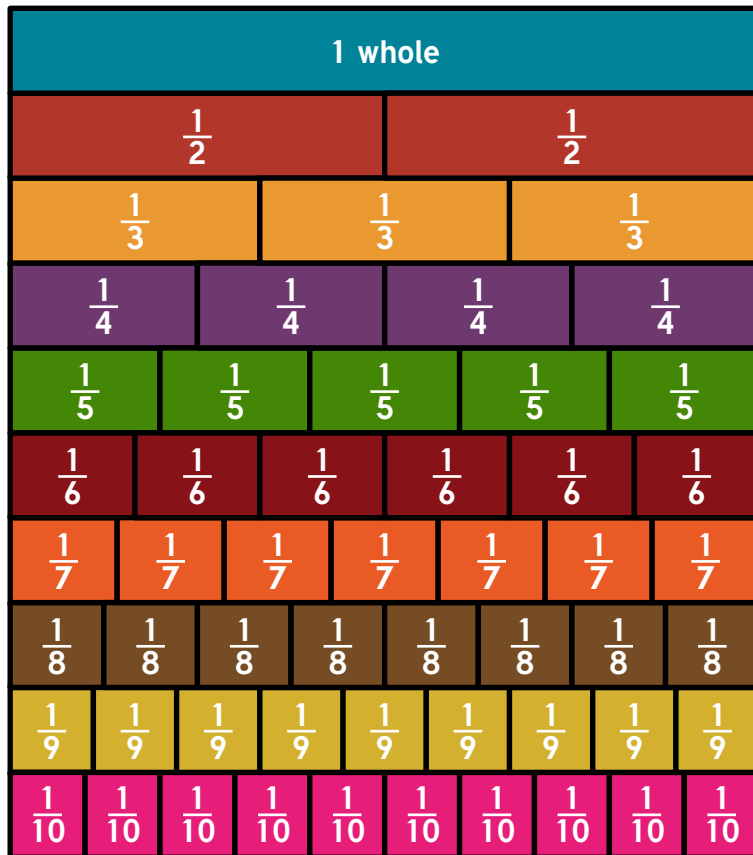


$$\frac{10}{10}$$



10 tenths is the same as 1 whole.

Adding and subtracting fractions

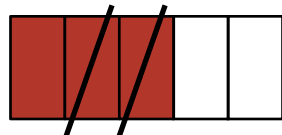


Adding and subtracting fractions

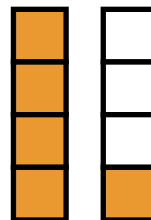
$$\frac{2}{10} + \frac{4}{10} = \frac{6}{10}$$



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



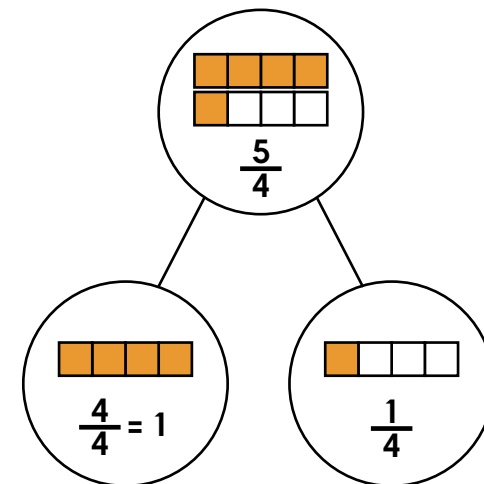
Fractions greater than 1



There is one whole and one out of four coloured in.

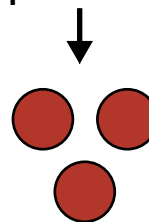
We can write this as $\frac{5}{4}$

We could also write it as $1\frac{1}{4}$

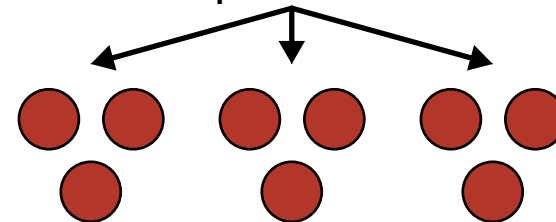


Fractions of amounts

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



$$\frac{3}{4} \text{ of } 12 = 9$$



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

How many fours are in 12?