

Fractions Knowledge Organiser

Maths

Write it!

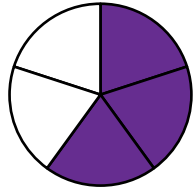
numerator $\frac{3}{5}$ This is how many equal parts you have.

denominator $\frac{3}{5}$ This is how many equal parts there are altogether.

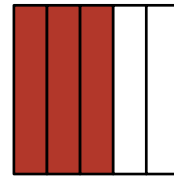
Say it

three fifths
three out of five

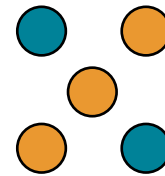
Model it



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.

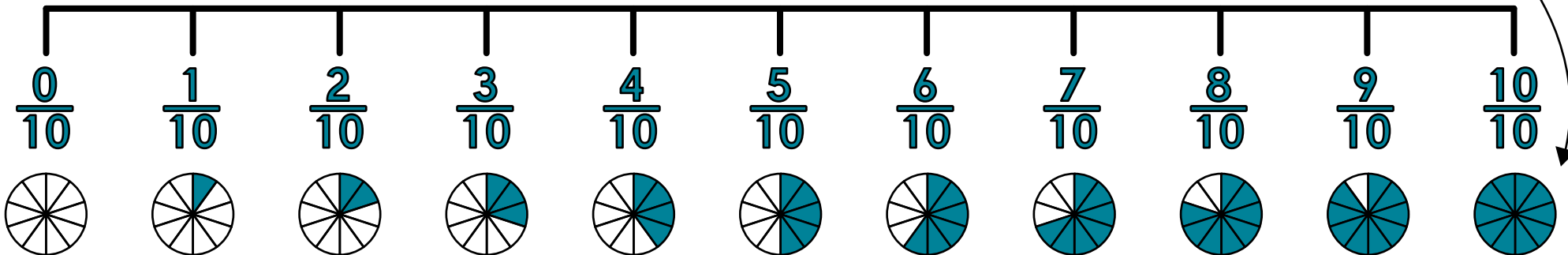


3 out of the 5 sweets are cola bottles.

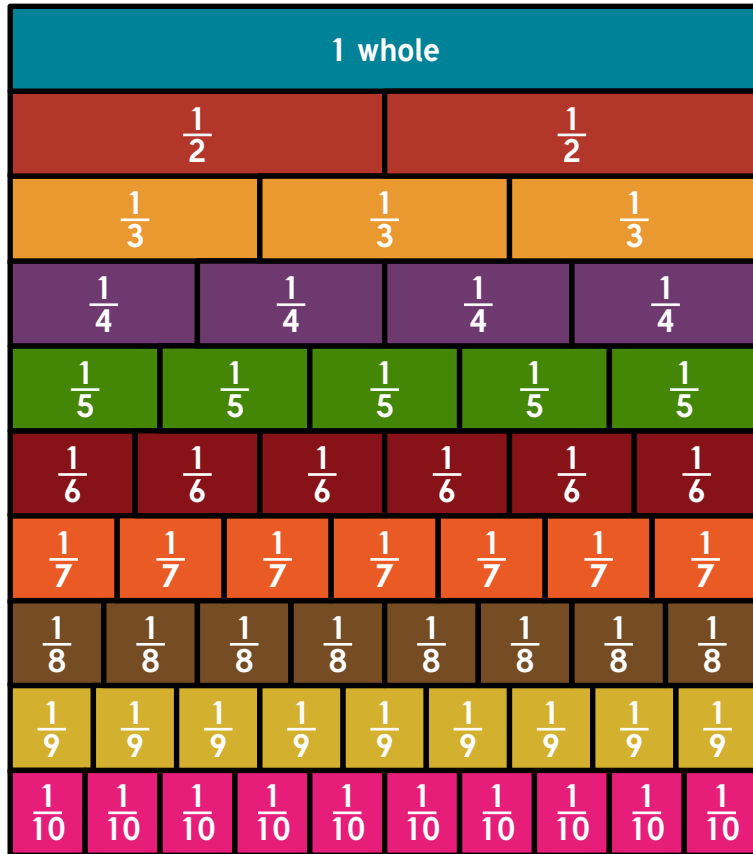


Three fifths of the children are boys.

Count in fractions



Adding and subtracting fractions

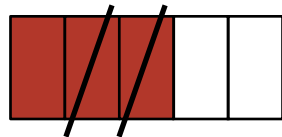


Adding and subtracting fractions

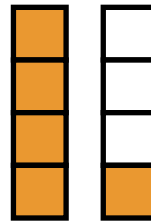
$$\frac{2}{10} + \frac{4}{10} = \frac{6}{10}$$



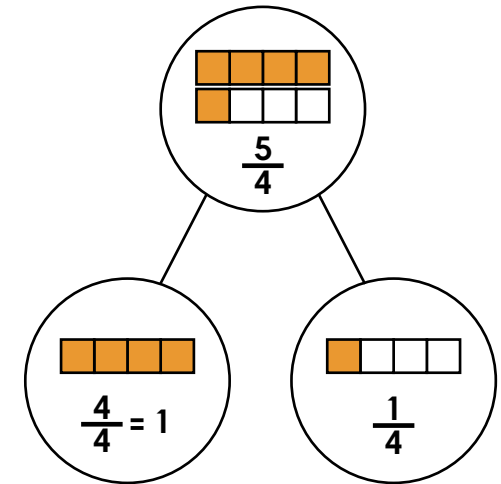
$$\frac{3}{5} - \frac{2}{5} = \frac{1}{5}$$



Fractions greater than 1



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

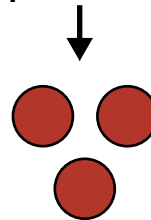


We can write this as $\frac{5}{4}$

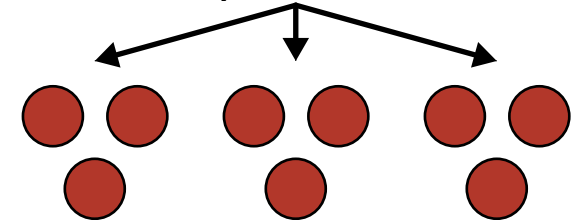
We could also write it as $1\frac{1}{4}$

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?