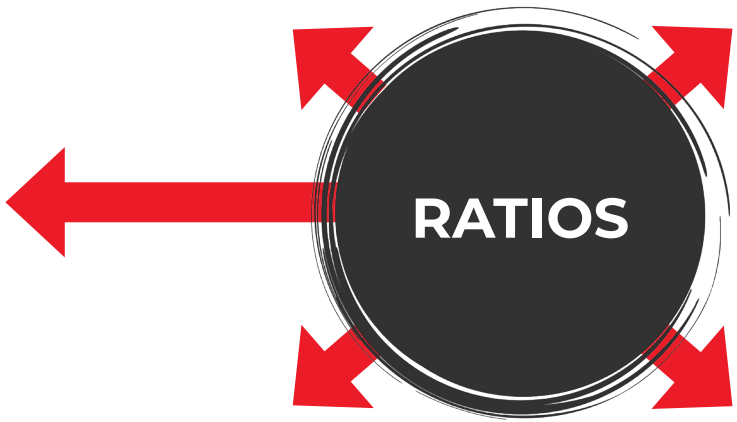
Simplifying ratios

- 1 whole number
  e.g. 24 : 16
  .....
- 2 decimal
  e.g. 2,5 : 15
  .....
  .....
- 3 fraction
  e.g. $\frac{2}{3} : \frac{1}{4}$
  .....
  .....
  .....
- 4 different units
  e.g. 10 cm : 12 m
  .....
  .....
  .....
- 5 unit form (1 : .....)
  e.g. 8 : 48
  .....

Definition

- .....
  .....
- Order is NB!
  e.g. 1 : 4 = ... vs
  ..... = $\frac{4}{1}$



Equivalent ratios

- .....
- × *or* ÷ both values by HCF
- e.g.
  .....
  .....

Missing value ratios

- Given ratio of 2 quantities
- Given value of 1 quantity
- × *or* ÷ by HCF
- e.g. ratio of red to blue smarties in a box is 3 : 5. If there 12 red smarties, how many blue smarties?
  Red : blue
  .....
  .....

Sharing & dividing in a ratio

- Given ratio of 2 quantities
- Given sum/total of quantities
- Share sum/total using ratios
- e.g. ratio of red to blue smarties in a box is 3 : 5. If there are 24 smarties in box, how many blue ones?
  Red : Blue
  .....
  .....
  .....