

- **Mean** = $\frac{\text{Sum of all data}}{\text{Number of pieces of information}}$

The mean of 9, 5, 4, 8, 4

Do the addition before the dividing

$$\begin{aligned}\bar{x} &= \frac{9 + 5 + 4 + 8 + 4}{5} \\ &= \frac{30}{5} \\ &= 6\end{aligned}$$

- **Mode** = Most common number in a set of data
(there can be more than one mode)

The mode of 9, 5, 4, 8, 4 is 4

- **Median** is the middle number in an *ordered* list

The median of 9, 5, 4, 8, 4

Ordered:

4, 4, 5, 8, 9

↑
median = 5

If there are two numbers in the middle then you find half way between them

4, 4, 5, 6, 8, 9

↑
median = 5.5

- **Range** = Largest - Smallest

This is a calculation - Do the sum!

The range of 9°C, 5°C, 4°C, 8°C, 4°C

Range = Biggest - Smallest

= 9°C - 4°C

= 5°C

We do not

- Use the word 'average' for the mean.
- Leave range as 12cm to 45 cm.