

Averages and Range

Facts

Average—A value that represents the typical or central value of a set of numbers.

We use 3 averages in maths – mean, median and mode

Range—A measure of how spread out the data is

AVERAGES

MODE

most common

MEAN

$\frac{\text{sum of values}}{\text{number of values}}$

MEDIAN

middle value

The **range** is not an average, but tells you how the data is spread out:

RANGE

largest value – smallest value

Example

9 3 3 5 2
6 6 4 6 2

Mode = the most common number is 6

$$\text{Mean} = \frac{9+3+3+5+2+6+6+4+6+2}{10} = \frac{46}{10} = 4.6$$

Median = 2, 2, 3, 3, 4, 5, 6, 6, 6, 9

Median = 4.5

$$\text{Range} = 9 - 2 = 7$$

MATHS FACT OF THE WEEK
Data