

# Mean, Mode, Median and Range

**Range = the difference between the highest and the lowest numbers in a series of numbers**

*For example:*

25 50 75 100 125 150 175

*The highest number is 175 and the lowest is 25*

*The difference is  $175 - 25 = 150$*

**Mode = the most common number in a range of numbers**

*For example:*

3 4 4 6 6 6 7

*The number 6 is the most common number and so the mode is 6*

**Mean = to calculate the mean value of a set of figures we add up all of the figures and divide by the number of figures in the set.**

*For example:*

6 4 8 3 5 10

$6 + 4 + 8 + 3 + 5 + 10 = 36$

*There are 6 numbers in the set, so the mean is  $36 \div 6 = 6$*

**Median – the middle number in a set of numbers when they are written in order**

*For example:*

3 4 5 6 6

*The number 5 is half way in the list and so it is the median number*

# Range

is the difference between the highest and the lowest numbers in a series of numbers

*For example:*

25      50      75      100      125      150      175

*The **highest** number is **175** and the **lowest** is **25**.*

*The **difference** is **175** – **25** = **150***

# Mode

is the most common number in a set of numbers

*For example:*

3 4 4 6 6 6 7

*The number 6 is the most common number and so the mode is 6*

*\* It is possible to have more than one mode for a set of numbers*

# Mean

To calculate the mean value of a set of figures we add up all of the figures and divide by the number of figures in the set.

*For example:*

6 4 8 3 5 10

$$6 + 4 + 8 + 3 + 5 + 10 = 36$$

There are **6** numbers in the set, so **the mean is  $36 \div 6 = 6$**

# Median

is the middle number in a set of numbers when they are written in order

*For example:*

3 4 **5** 6 6

*The number 5 is half way in the list*

*and so it is the **median** number*