

Averages

Mean – Average

Median – Middle result

Mode – Most frequent number

Range – The "range" is just the difference between the largest and smallest values.

How to work them out

How to work out a Mean?

Add all of the results up and divide by how many results there are.

For example, here are some results:

13, 18, 13, 14, 13, 16, 14, 21, 13

To find out the mean you have to add up all the results and divide by how many there are. In this case it adds up to 135 and then you divide by 9. This leaves you with an answer of 15.

How to work them out

How to work out a Median?

Rearrange the results in order and then cross off each result from both sides (left to right) until there is one number remaining in the middle. If there are two numbers remaining then you take the middle number from the two.

For example, here are some results:

13, 18, 13, 14, 13, 16, 14, 21, 13

To find out the median you have to rearrange the results in order -

13,13,13,13,14,14,16,18,21

You then cross off a number at each end - **~~13~~,~~13~~,~~13~~,~~13~~,14,14,16,18,~~21~~**

Which leaves 14 in the middle.

How to work them out

How to work out a Mode?

You look for the number that is the most frequent in other words the one that comes up the most.

For example, here are some results:

13, 18, 13, 14, 13, 16, 14, 21, 13

To find out the mode you look for the most frequent in this case it's 13.

13, 18, 13, 14, 13, 16, 14, 21, 13

How to work them out

How to work out a Range?

Biggest result taken away from the smallest result.

For example, here are some results:

13, 18, 13, 14, 13, 16, 14, 21, 13

To find the range you will have to take the biggest value away from the smallest. In this case $21-13=8$.