

L.O. To be able to calculate the mode, median and range of a set of data.

**Mode - The most common piece of data.**

**Median - The middle piece of data.**

**The range - Highest value - lowest value.**

The data - 5, 2, 5, 7, 10, 8, 7, 2, 3, 8, 4, 5, 11.

The first thing you do with data is place it in order:

2, 2, 3, 4, 5, 5, 5, 7, 7, 8, 8, 10, 11.

This makes it easier to find the mode (**most common**)

2, 2, 3, 4, **5, 5, 5**, 7, 7, 8, 8, 10, 11.

There are three 5s in the data therefore 5 is the mode.

To find the median (**middle piece of data**) count how many pieces of data you have (13). You need to work out which is the piece of data in the middle. 7 is the middle of 13.

2, 2, 3, 4, 5, 5, **5**, 7, 7, 8, 8, 10, 11.

The 7<sup>th</sup> piece of data is 5 therefore the median is 5.

To find the **range** you take the smallest piece of data from the largest piece of data.

**2**, 2, 3, 4, 5, 5, 5, 7, 7, 8, 8, 10, **11**.

$11 - 2 = 9$ . The range is therefore 9