



## Worksheet 6: Understanding data analysis answers

Data analysis	Description
Mean	<i>Measure of central tendency found by adding the values of all scores then dividing by the number of scores in a data set.</i>
Median	<i>Measure of central tendency found by identifying the middle score in a set of data when placed in numerical order.</i>
Mode	<i>Measure of central tendency found by identifying the most frequently occurring number in a data set.</i>
Range	<i>Measure of spread found but subtracting the lowest score in a data set from the highest score plus one.</i>
Standard Deviation	<i>Measure of spread found by calculating the average difference between each score in the data set and the mean.</i>
Bar Chart	<i>A graph used to show discrete categories of data which is plotted with bars set apart.</i>
Histogram	<i>A graph used to show continuous data; the distribution of a set of scores which is plotted with bars adjoined.</i>
Scatter graph	<i>A diagram which compares two sets of data. Gives a visual representation of the relationship between these two sets of data.</i>