Mean	Values added together Number of values A measure of the typical value
Median	8, 8, 9, 9, 10, 10, 11, 11, 12, 13, 13, 14 The middle value when sorted in order (or halfway between the middle two if there are an even number of values) A measure of the typical value
Lower Quartile	8, 8, 9, 9, 10, 10, 11, 11, 12, 13, 13, 14 The middle value of the lower half (half not including the median)
Upper Quartile	8, 8, 9, 9, 10, 10, 11, 11, 12, 13, 13, 14 The middle value of the upper half (half not including the median)
Range	8, 8, 9, 9, 10, 10, 11, 11, 12, 13, 13, 14 The largest value – smallest value <i>A measure of the spread of data</i>
Inter-Quartile Range (IQR)	8, 8, 9, 9, 10, 10, 11, 11, 12, 13, 13, 14, Upper quartile – Lower quartile A measure of the spread of typical data
Mode	The most common value (or values)



Outlier	A value that lies well away from most of the data	
	<u> </u>	
Trend	The general direction of the results, ignoring small wobbles	
Data	A collection of facts, numbers, or information	
Sample	A group of objects, individuals, or values selected from a population It should be randomly selected and representative	
Census	A survey of the entire population	
Population	All objects or individuals of interest	
Survey	The process of collecting data from a sample It should try to avoid bias	

Discrete	Data having exact values, often whole numbers
Continuous	Data having any value on a scale, including fractions of any units.
Maximum and Minimum	Largest and Smallest
Frequency Table	Value Frequency 4 2 5 4 6 2 7 1 = 4,4,5,5,5,5,5,6,6,7
Tally Chart	Gender Tally Male ###### Female ### III = M,M,F,M,M,F,F,F,M,M,M,F,F,M,F,M,M,M,F
Bias	An influence that leads to results that do not correctly give the true value e.g. selecting a sample non-randomly, poor measuring, asking questions that expect a certain answer
Conclusion	The answer, with reasons given. There may be more than one possible conclusion from data.

Correlation	The strength and direction of the relationship between two numerical variables Usually found via a scatter plot
Skew	Data not spread symmetrically <u> O O O O O O O O O O O O O O O O O O </u>
Scatter Plot	50 45 40 35 22 20 15 10 6 0 40 45 50 55 60 65 70 75 80 85 90 95 100 Test (x)
Bivariate Data	Data where each item has two numerical variables measured. Usually graphed on a scatter plot
Quantitative Data	Data that can be measured with a number value Opposite of categorical data
Time Series Data	Data with a numerical value given for different times. Usually graphed on a line graph with time along the x-axis.
Representative	Samples that contain the groupings of the population in approximately the correct proportions e.g. the correct male/female ratio, the right number of workers to unemployed