Learning objective – To find the best measures for central tendencies

Match the following correctly

Column – A	Column – B
Mean	best for data with most numbers repeated many times
Median	best for data with no extreme values n it
Mode	best for data with extreme values n it
Outlier	group of values / numbers for a survey or to a question
Data set	a value which much bigger or smaller to the other values in data set

Write and choose the correct answers

The ages of participants in a relay race are 12, 15, 14, 13, 15, 12, 22, 16, and 11. Identify the outlier in the data set. Determine how the outlier affects the mean, median, and mode of the data. Then tell which measure of center best describes the data with and without the outlier. _____

a) **Mode =**

b) **Median =**

c) **Mean =**

d) **Outlier =**

e) **Mode without outlier =**

f) **Mean without Outlier =**

g) **Median without outlier =**