I can summarize data by explaining how the distribution of thee data on a graph determines its measure of variation.

Notes:

A **Box-and-Whisker-Plot** represents a data set along a number line by using the least value, the greatest value, and the quartiles of a set of data. A box-and-whisker plot shows the

variability of a data set.



These five values: least value, Q₁, Q₂, Q₃, and greatest value make up the **five-number summary**.



Make a box-and-whisker plot for the data.

1) Donations (in dollars): 10, 30, 5, 15, 50, 25, 5, 20, 15, 35, 10, 30, 20

2) Ages of teachers (in years): 30, 62, 26, 35, 45, 22, 49, 32, 28, 50, 42, 35

3) Choose the set of data from your class's spreadsheet that you used for lesson 9.4 for IQR.

 Range: _____
 Median: _____
 Q_1: _____
 Q_2: _____
 IQR: _____

 Make a box-and-whisker plot for the data.
 IQR: ______
 IQR: ______
 IQR: ______