Use a graphing calculator to find the mean, median, mode, and range.

Step 1	Insert data: • Enter the data into the STAT…"1: Edit…"…L1. • Press ENTER after each data point is entered.
Step 2	Calculate data: • Press STAT…scroll to the right once to CALC…press ENTER on "1: 1-Var Stats" • Select list 1 by pressing 2ND 1…press ENTER
Step 3	How to interpret the results on your home screen: • $\bar{x} =$ represents the mean (average of data) → use this value when asked for the mean • $n =$ represents the number of data points • $minX =$ represents the minimum data value • $Med =$ represents the median value of the data → use this value when asked for the median • $maxX =$ represents the maximum data value When asked for the range, subtract the "minX" from "maxX".
Step 4	How to find the mode: • Press STAT…press "2: Sort A(" (ascending order) • Select list 1 by pressing 2ND 1…press ENTER (you have now organized your data in order from least to greatest) • Press STAT…select "1: Edit…" • To find the mode, scroll up and down to see which data value(s) appear the most.

Steps to Constructing a Box-and-Whisker Plot

Step 1	• Order the data from least to greatest
Step 2	• Determine the smallest term and the greatest term. • Determine the median of the entire set of data
Step 3	Your data is now divided into two groups • Determine the median of the lower half (lower quartile). • Determine the median of the upper half (upper quartile)
Step 4	You now have your "FIVE-NUMBER" Summary • Determine a range for your number line and appropriate intervals • Construct a number line with your range and intervals • Plot each of your "FIVE-NUMBER" points. • Draw a box connecting lower quartile with your median and your upper quartile with your median. • Connect your whiskers from the smallest data point to the lower quartile. • Connect your whisker from the greatest data point to the upper quartile.

How to construct a Box-and-Whisker Plot with a graphing calculator.

Step 1	Input data
Step 2	Choose box-and-whisker plot
Step 3	Adjust your window
Step 4	Use the trace button to determine the "FIVE-NUMBER" summary