

Box and Whisker Plots and the Graphing Calculator

The table below shows the average monthly high temperatures in Columbus, Ohio and San Francisco, California.

Month	Columbus, OH	San Francisco, CA
Jan	35	56
Feb	38	59
Mar	49	60
Apr	62	61
May	73	63
Jun	81	64
Jul	84	64
Aug	83	65
Sep	77	69
Oct	65	68
Nov	51	63
Dec	39	57

Construct a box and whisker plot for the average monthly high temperatures in Columbus, Ohio and San Francisco, California on a graphing calculator using the following procedure.

1. Enter the Columbus data into your calculator.
Enter the San Francisco data into your calculator.
2. Determine an appropriate window for the box and whisker plots.
3. Graph a box and whisker plot for both sets of data.
4. Determine the five-number summary for both sets of data by using the trace feature.
 - a. minimum
 - b. lower quartile
 - c. median
 - d. upper quartile
 - e. maximum

Columbus, OH

San Francisco, CA