

Name _____

Steps to making a box and whisker plot on the TI-83 plus calculator

Step 1: You must clear the screen before you enter new data.

To do this, press...

1. the stat key
2. then the edit button
3. move the highlight up to L1
4. then press clear
5. and finally the enter key

Step 2: Enter the new data by inputting the list of numbers and pressing the enter key after each.

Step 3: You must put the numbers in ascending order:

To do this...

1. Press the stat key
2. then the number 2 which says (sort A)
3. then press the 2nd key and the number 1
4. type in L1
5. press the close the parentheses button
6. then press the enter key
7. finally, the calculator will then say Done

Step 4: To see the information screen...

1. press the stat key
2. use the arrow buttons to move the highlight over calc
3. then hit the enter key twice.
4. When you scroll down you will see...

X= mean

MinX = 29 (this is the lower extreme)

Q1= 37 (this represents the 25th percentile which is also called the lower quartile)

Med=40 (this is the median or the 50th percentile)

Q3=43 (this represents the 75th percentile which is also called the upper quartile)

MaxX=50 (this is the upper extreme)

Step 5: To see the box and whisker plot...

1. press the 2nd key
2. then hit the y= button
3. press the enter key
4. make sure that 'ON' is highlighted and press enter
5. in the type section of the screen, highlight the middle graph in the bottom row – the box plot.
6. hit zoom 9 and you will see the box and whisker plot!!
7. press the trace key to see Mr. Blippy
8. Use the right and left arrow keys to move Mr. Blippy so that you can see the min, Q1, Med, Q3, and maxX and you can plot them on your graph!!