



BOX-AND-WHISKER PLOT

Draw your own Box-and-Whisker plot by finding out the median, lower quartile and upper quartile from each set of ordered numbers. For more of a challenge, find out the "Interquartile Range" for each set as well. Another method for calculating the upper and lower quartiles is to leave the median out of the data set.

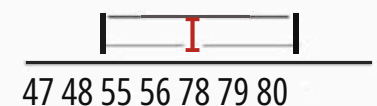
- 1. 12 16 45 60 97 100 102
- 2. 50 100 200 375 709 816 918
- 3. 47 48 55 56 78 79 80
- 4. 29 38 39 79 82 85 89
- 5. 2 6 62 80 140 149 150
- 6. 3.0 4.6 16 17.8 18.1 19.3 20
- 7. 45 90 99 145 162 183 188
- 8. 2.4 7.2 8.7 10.3 15.2 18.3 33

Making a Box -and -Whisker Plot

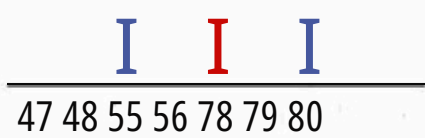
1. First draw a number line that extends far enough to include all the numbers in your data.



3. Proceed to simply drawing a box using the quartiles as ending points.



2. Next draw a line on your median as well as the upper and lower quartiles you calculated before drawing your number line.



if: Finally, draw the whiskers that should extend to your data's highest and lowest number.

