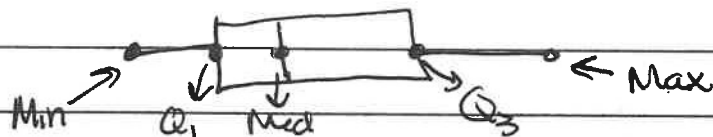


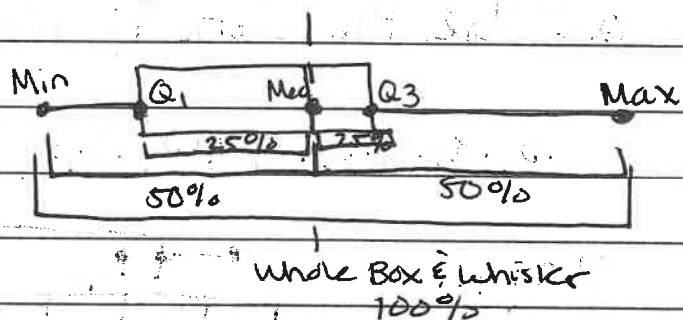
Box & Whisker Plots

A Box & Whisker Plot can be used to show how the values in a data set are distributed. You need the following five values to create a box & whisker plot: ① Min ② Q_1 (first quartile) ③ Median ④ Q_3 (3rd quartile) ⑤ max



Percentages

Each section is worth 25% of the data



Calculator Steps:

- ① Select the "data" button
- ② Input data in "L1" column using the enter button to change from one line to the next.
- ③ Select "2nd" "data" (for the STATS)
- ④ Choose "1-Var Stats" (1 column filled in)
- ⑤ Select "Calc"
- ⑥ Find the following in the list:

7 minX: minimum

8 Q_1 : 1st Quartile

9 Med: median

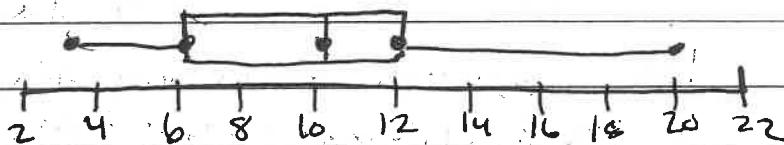
A Q_3 : 3rd Quartile

B maxX: maximum

Ex 1) The number of runs scored by a softball team in 19 games is given. Create a B&W Plot.

3, 8, 10, 12, 4, 9, 13, 20, 12, 15, 10, 5, 11, 5, 10, 6, 7, 6, 11

Min : 3
 Q_1 : 6
 Med : 10
 Q_3 : 12
 Max : 20



Ex 2) Use the data to make a B&W Plot.

13, 14, 18, 13, 12, 17, 15, 12, 13, 19, 11, 14, 11, 18, 22, 23

Min : 11
 Q_1 : 13
 Med : 14
 Q_3 : 18
 Max : 23

