Math 1

Please grab:

- toolkits
- glue sticks
- Calculator

Quiz Wednesday

Box plots
+
Standard
Deviation

Five Number Summary

The five # summary includes:

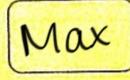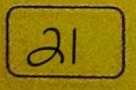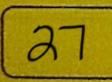| Min | Lower Quartile Q1 | Median | Upper Quartile Q3 | Max |

Example: Find the five # summary for the following set of data

22, 45, 56, 21, 34, 50, 29, 27, 44, 43, 36, 27, 38
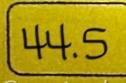
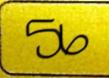(CALCULATOR: Put data set in L1 (stat, edit), 2nd, mode, stat, calc, 1: 1-VarStats, Lists L1, Enter)

| 21 | 27 | 36 | 44.5 | 56 |

Box Plots

Box

Whisker | Whisker

Min

25% | 25% | 25% | 25%

Q_1

Median

Q_3

Max

| Range: | Max–min: shows the spread of all the data |
| Interquartile Range: | $Q_3 - Q_1$: shows how spread out the middle 50% of the data is |