## UNIT 4A STUDY GUIDE

## How do I enter my data?

Enter a new list

1. STAT
2. Choose 1:Edit (the default)
3. Arrow over to the list (L1-L6) you want
4. Type a number, hit ENIRR; repeat

EL1 CHLC TESTS
1日Edit


How do I get rid of an old list?

1. STAT
2. Choose 1:Edit (the default)
3. Arrow over to the list you want to clear
4. Arrow up to highlight the list name
5. CEAR
6. HIT DOWN ARROW


| Mean | The average of the numbers: a calculated "central" value of a set of numbers. |
| :--- | :--- |
| Median | Is the "middle" value in the list of ordered numbers. |
| Mode | The number which appears most often in a set of numbers. |
| Range | The difference of smallest number from the largest number. |
| Standard <br> Deviation | Describes how closely a set of data clusters about the mean. |



| PLOT THE 5 VALUES FROM THE |
| :---: |
| STATISTICAL SUMMARY TO CREATE |
| A BOX PLOT! |
| Min $x=60$ |
| Q1 $=69$ |
| Med $=82$ |
| Q3 $=92$ |
| Max $x=99$ |



INTERQUARTILE RANGE
IQR: Q3- Q1
IQR = 92-69
IQR = $\mathbf{2 3}$

Symmetric


When the data is SYMMETRICAL, the MEAN would be a typical value to use.

Skewed Left


Skewed Right


When the data is SKEWED, the MEDIAN would be a typical value to use.


