MAKING A STEMPLOT USING A TI-83 OR TI-84.

We are going to use data from our notes to illustrate how our calculator can help us to make a stemplot. Note. Our TI-83 (or 84) cannot make stemplots for us but it can order our observations from smallest to largest. Then we can easily make a stemplot by hand.

DATA.

Construct a stem-and-leaf display (stemplot) for the following data:

70 72 75 64 58 83 80 82 76 75 68 65 57 78 85 72.

ENTERING DATA.

Step 1. Press the key that reads: STAT.

1: Edit
2: SortA
3: SortD
4: ClrList
5: SetUpEditor

Step 2. Press the key that reads: ENTER.

L1 | L2 | L3 | 1
---|----|----|---
    |    |    |   
L1(1) =

Step 3. Record your data on list 1 (L1).

L1 | L2 | L3 | 1
---|----|----|---
70 |    |    |   
72 |    |    |   
75 |    |    |   
64 |    |    |   
58 |    |    |   
83 |    |    |   
80 |    |    |   
82 |    |    |   
76 |    |    |   
75 |    |    |   
68 |    |    |   
65 |    |    |   
57 |    |    |   
78 |    |    |   
85 |    |    |   
72 |    |    |   

L1 = {70, 72, 75, 64...}
Step 4. Press the key that reads: STAT.

CALC TESTS
1:Edit...
2:SortA(
3:SortD(
4:ClrList
5:SetUpEditor

Step 5. Go to option 2, SortA( , highlight it and press ENTER.

SortA(■

Step 6. Press 2^{nd} and then press 1.

SortA(L1■

Step 7. Press the key located above 9, that is ). Then press ENTER.

SortA(L1)     Done
SEEING OUR ORDERED LIST.

Step 8. To see our ordered list simply press STAT.

Step 9. Now, we only have to press ENTER.

We are done!!

Using this ordered version of our data to make a stemplot is very easy.