

## TI-83/84 Entering Data

To use the statistical functions built into the TI-83/84, we first have to enter data into lists. The TI-83/84 has six columns (called lists L<sub>1</sub>, L<sub>2</sub>, L<sub>3</sub>, L<sub>4</sub>, L<sub>5</sub>, and L<sub>6</sub>) in which data can be entered.

Press the **STAT** key and then select **Edit**. You will now see the data screen with the six lists, L<sub>1</sub> through L<sub>6</sub> (use your right arrow to see L<sub>4</sub> through L<sub>6</sub>).

<b>STAT</b> CALC TESTS <b>1</b> Edit... 2: SortA( 3: SortD( 4: ClrList 5: SetUpEditor	L1	L2	L3	1	L4	L5	L6	6
	██████	-----	-----		-----	-----	██████	
	L1(1) =				L6(1) =			

If there is already data in one of the lists, we need to clear the list. Do this by placing your cursor at the top of the list you wish to clear and then press the **CLEAR** button. DO NOT press the **DEL** button - this will delete the list from your calculator. Another way to clear a list is to press the **STAT** key and then select **4** for **ClrList** using the arrow keys, and then press **ENTER**. Then type in the list you want cleared (**2nd** and **1** for list L<sub>1</sub>) and press **ENTER**.

L1	L2	L3	1	<b>STAT</b> CALC TESTS 1: Edit... 2: SortA( 3: SortD( 4: ClrList 5: SetUpEditor	ClrList L1 Done
67 70 73 69 70 73 70	-----	-----			█
L1(1) = 67					

We are now ready to enter data into the lists. Let's enter the numbers

2	5	7	9	11	in list L <sub>1</sub>
3	6	9	1	12	in list L <sub>2</sub>

Press **ENTER** after each number, and use the arrow keys to move between L<sub>1</sub> and L<sub>2</sub>. To correct a data entry, highlight the entry that is wrong and enter the correct data value. To delete a data entry, highlight the data value you wish to delete and press **DEL**. To insert a new entry into a list, highlight the position directly below the place you wish to insert the new value and then press **2nd** **DEL** (for Insert (**Ins**)) and then enter the data value.

L1	L2	L3	3
2	3	████████	
5	6		
7	9		
9	1		
11	12		
-----	-----		
L3(1)=			

You can also create new lists by doing arithmetic on existing lists. For example, let's create  $L_3$  by using the formula

$L_3 = 2L_1 + L_2$ . Place your cursor at the top of  $L_3$ . Then type in  $2L_1 + L_2$  and press **ENTER**. The result is shown below.

L1	L2	L3	3
2	3	████████	
5	6	16	
7	9	23	
9	1	19	
11	12	34	
-----	-----	-----	
L3 = 2L1 + L2			

  

L1	L2	L3	3
2	3	7	
5	6	16	
7	9	23	
9	1	19	
11	12	34	
-----	-----	-----	
L3(1)=7			

To leave the data screen, press **2nd** **MODE** for **QUIT**. You can also perform operations on lists on the main screen by using the **STO>** key. To perform the above operation on the main screen type **2** **2nd** **1** (for  $2L_1$ ) **+** **2nd** **2** (for  $L_2$ ) **STO>** **2nd** **3** (for  $\rightarrow L_3$ ). If you go back into the List view, the result will be the same as shown above.