CHAPTER

1

Fundamentals of Statistics

calculator keys

Entering Data

You enter the data values of a variable into one of six prede-fined **list variables**: L1 through L6. Your method of data entry varies, depending on the number of values to enter and per-sonal preferences.

For small sets of values, you enter the values separated by commas as follows:

- Press [**2nd**][(] and then type the values separated by commas. If your list is longer than the width of the screen, the list wraps to the next line like so:

```
{39,29,43,52,39,
44,40,31,44,35█
```

- Press [**2nd**][)][**STO▸**] and then type the variable name and press [**ENTER**].

To store the values in variable L1, press [**2nd**][)][**STO▸**] then [**2nd**][**1**][**Enter**]. ([**2nd**][**1**] types L1, [**2nd**][**2**] types L2, and so forth.) Your calculator displays the variable name and one line's worth of values, separated by spaces, followed by an ellipsis if the entire list of values cannot be shown on one line.

```
{39,29,43,52,39,
44,40,31,44,35}→
L₁
{39 29 43 52 39…
█
```

For larger sets of data values, consider using an editor. For a calculator not connected to a computer, use the calculator's statistical list editor:

- Press [**STAT**].
- Select **1:Edit** and press [**ENTER**].
- In the editor's six-column table (one column for each list variable), use the cursor keys to move through the

table and make entries. End every entry by pressing [**ENTER**].

• When you are finished, press [**2nd**][**MODE**] to quit the editor.

While you are in the editor, you can move back in the column and make changes to a previously entered value. If you need to erase all the values of a column (to reuse a list variable), move the cursor to the name of the list variable (at the top of its column) and press [**CLEAR**][**ENTER**].

If your calculator is connected to a computer, you can use the TI DataEditor component of the TI Connect program (see Section A.C4). To enter a list using the DataEditor, open TI Connect, click the **TI DataEditor** icon, and in the DataEditor window:

• Select **File → New → List**.

• Select **File → Properties** and specify your calculator type and the (list) variable name in the Variable Properties dialog box.

• Enter the data values in the spreadsheet-like column.

• When you are finished, click the **Send File** icon to transfer the variable data to your calculator.

The following illustrations show the calculator's statistical list editor and the DataEditor window, respectively, after all the values of the earlier example have been entered.