

You can also use a TI-73 graphing calculator to make a box-and-whisker plot.

STUDY TIP

Clear Memory

Before entering data in a table, be sure to clear any existing data. To clear the calculator's memory, position the cursor at the top of each table and press **CLEAR** **ENTER**.

ACTIVITY 2

Use the temperature data from Activity 1.

STEP 1

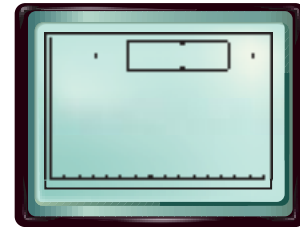
Enter the data into the calculator's memory. Press **LIST** to see the lists. Then enter the data by entering each number and pressing **ENTER**.

STEP 2

Choose the graph. Press **2nd** **[PLOT]** to display the menu. Choose the first plot by pressing **ENTER**. Use the arrow and **ENTER** keys to highlight the modified box-and-whisker plot, L1 for the Xlist and 1 as the frequency.

STEP 3

Press **WINDOW** to choose the display window. Choose appropriate range settings for the x values. The window 0 to 75 with a scale of 5 includes all of this data.



STEP 4

Display the graph by pressing **GRAPH**. In order to see the important parts of the graph, press **TRACE** and use the arrow keys to display the values.

Your Turn

- Use the Internet or another source to find the monthly normal temperatures for a city in your state. Draw a box-and-whisker plot of the data. Then, use a graphing calculator to display the data.

EXERCISES

- Draw a box-and-whisker plot for the set of data below.

Baseball Games Won by Teams in National League, 2002

95	94	79	67	65	95	85	73	72	69	65	97	86	85	82	76
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Source: *The World Almanac*

- Describe the data values that are located in the box of a box-and-whisker plot.
- MAKE A CONJECTURE** Write a sentence describing what the length of the box of the box-and-whisker plot tells you about the data set.

