

# Graphing Calculator Lab

## Histograms

### Main IDEA

Use a graphing calculator to make histograms.

You can make a histogram using a Casio CFX-9750G graphing calculator.

### ACTIVITY

Mr. Yamaguchi's second period class has listed the distance each student lives from the school. Make a histogram.

Distance from School (miles)											
4	2	6	1	10	3	19	5	20	1	1	9
22	15	2	4	12	8	1	4	16	3	6	7

**MENU** 2

**STEP 1** Clear any existing data in list L1 by pressing

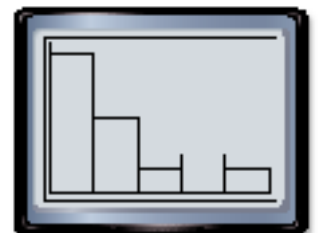
**F6** **F4** **F1** .

Then enter the data in L1. Input each number and press **EXE** .

**STEP 2** Turn on the statistical plot by pressing **F6** **F1** **F6** .

Select the histogram and L1 as the Xlist by pressing **▼** **F6** **F1** **▼** **F1** **EXE** .

**STEP 3** Press [V-WINDOW]. To set the viewing window to be [0, 25] scl: 5 by [0, 12] scl: 1, press: **SHIFT** **F3** 0 **EXE** 25 **EXE** 5 **EXE** 0 **EXE** 12 **EXE** 1 **EXE** .



**STEP 4** Press **EXIT** **F1** **F1** **F6** to create the histogram.

### ANALYZE THE RESULTS

1. Press **SHIFT** **F1** . Find the frequency of each interval using the right arrow key.
2. Explain why the x-values for this data set were chosen as 0 to 25.
3. **COLLECT THE DATA** Use the graphing calculator to make a histogram of your classmates' heights in inches.