

TECHNOLOGY CORNER



2. Histograms on the HP Prime

- Enter the data for the percent of state residents born outside the United States in the Numeric view of the Statistics 1Var app. The data can be found on Page 33.

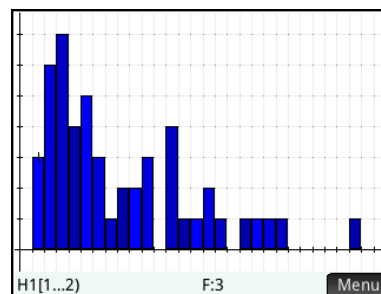
- Press **Apps Info** and tap the **Statistics 1Var** app icon
- Type the values into list D1

Statistics 1Var Numeric View				
	D1	D2	D3	D4
1	2.8			
2	7			
3	15.1			
4	3.8			
5	27.2			
6	10.3			
7	12.9			
8	8.1			
9	18.9			
10	9.2			
	2.8			

- Set up a histogram in the Symbolic view of the app.
 - Press **Symb** to open the Symbolic view; press **Shift** **Esc** to return the view to its default settings. By default, H1 is already set to create a histogram based on the data in list D1.

Statistics 1Var Symbolic View	
✓ H1: D1	Freq
Plot1: Histogram	
H2:	
Plot2: Histogram	
H3:	
Plot3: Histogram	
H4:	
Enter independent column	

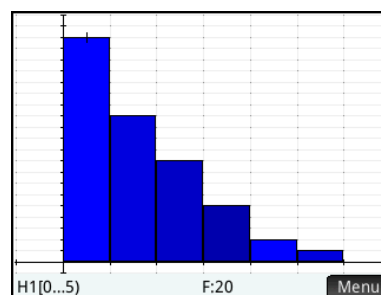
- Plot the histogram in the Plot view.
 - Press **View** and tap **Autoscale**



- Change the size of each class using **H Width** in the Plot Setup.
 - Press **Shift** **Plot Setup** to enter the Plot Setup
 - Change **H Width** to 5 and **X Tick** to 5
 - Change the **X Rng** and **Y Rng** values as shown in the figure below

TC1-2 Plot Setup	
H Width: 5	
H Rng: 0	35
X Rng: -5	35
Y Rng: -1	22
X Tick: 5	
Y Tick: 1	
Enter vertical tick spacing	

- Press **Plot Setup** to return to the histogram



- Tap anywhere on the display to move the tracer (or use **▶** and **◀**)
- To match Figure 1.17, let **H Width** = 2.5.