Create a Histogram using a TI-83 or TI-84

June collected the distances she drove each weekend for 30 weekends. The distances, stored in the list L_1 are listed below.

31, 8, 93, 69, 75, 2, 33, 194, 83, 17, 2, 207, 99, 32, 8,

2, 75, 126, 30, 9, 211, 93, 8, 75, 198, 25, 32, 71, 9, 98

1. Enter the data

2. Adjust the window to match the data. You could use.....

```
WINDOW
 Xmin=0
 Xmax=220
 Xscl=20
 Ymin=0
 Ymax=15
 Yscl=1
 Xres=1
```

3. Create a histogram of the distances.

   Press [2nd] [STAT PLOT] and select **Plot1**. Press [ENTER] to turn the plot off.

   Press [2nd] [STAT PLOT] and select **Plot2**. Press [ENTER] to turn the plot on. Select the histogram icon. Arrow down to **Xlist** and select L_1

```
Plot1  Plot2  Plot3
   Off
Type:
Xlist:WKND
Freq:1
```

4. Set the interval width to 50 for now by pressing [WINDOW] and changing the x-scale to 50.

5. Press [Graph]. Press [Trace] to view frequency per bar. You can toggle left/right to see frequencies.

Before you continue, change the interval width to 20. Using this new setting, continue with the remaining questions.