

Creating a Histogram

- ❑ A histogram differs from a bar graph in that the two sets of data being compared in a histogram must be numerical.
- ❑ First enter the following data in L1 and L2

L1	L2	L3	Z
84			
78			
74			
70			
66			
64			

L2(11) =			

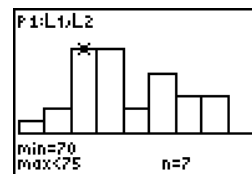
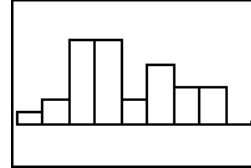
Score	99	96	92	88	84	78	74	70	66	64
Freq	1	2	3	5	2	7	4	3	2	1

- ❑ Press 2nd PLOT and set up Plot 1 as illustrated
- ❑ Press WINDOW and select numbers that make sense
 - Xmin and Xmax should fit the data
 - Xscl will be the width of the bars
 - Ymin and Ymax should allow for the height of the bars and some room for tracing

```
Plot1  Off
Type: L1  L2  L3  L4  L5  L6  L7  L8  L9  L10  L11  L12  L13  L14  L15  L16  L17  L18  L19  L20
Xlist:L1
Freq:L2
```

```
WINDOW
Xmin=60
Xmax=105
Xscl=5
Ymin=-3
Ymax=10
Yscl=0
```

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- Use TRACE to view the labels.



Changing Xscl

- If you want to change the width of the bars in a histogram change Xscl.
- This will also change the height of the bars
- You may need to adjust Ymax

