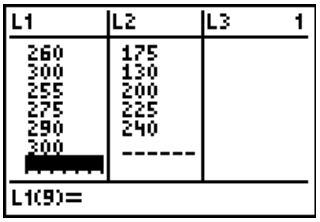
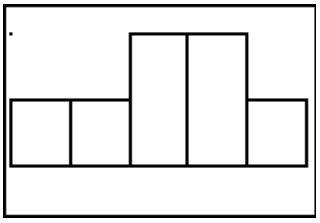
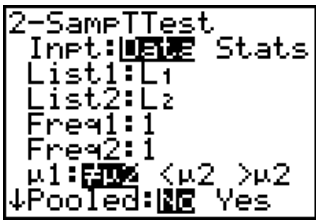
2-Sample t-Tests – Given Data



Enter the data you're given into **L1** and **L2.**



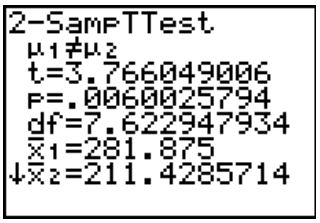
Check the Nearly Normal condition – unimodal and roughly symmetric – for *both* sets of data, one at a time!



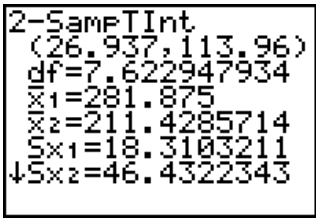
Under **STAT**, **TESTS**, choose **4:2-SampTTest**.

Tell the calculator you want to use the stored **Data**. Indicate where the data are and select the **Frequency**.

Choose the correct tail test, select **No** for Pooled, and **Calculate**.

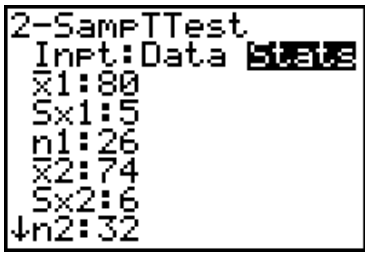


The *t* and the p-value magically appear! ☺



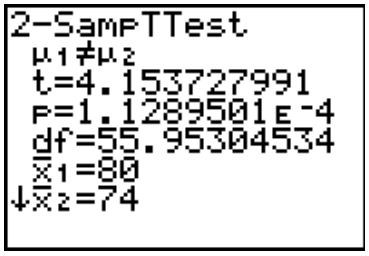
Now get the confidence interval using **STAT**, **TESTS**, **0:2-SampTInt**.

2-Sample t-Tests – No Given Data

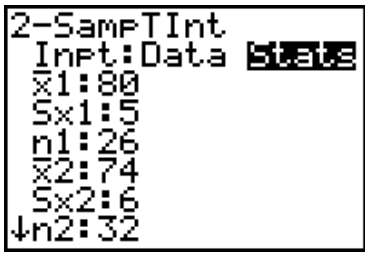


Tell the calculator you want to enter the **Stats** that you have. Enter the mean ($\bar{x}$), the standard deviation (Sx), and the sample size (**n**) of each of the two samples.

Choose the correct tail test, select **No** for Pooled, and **Calculate**.



The *t* and the p-value magically appear! ☺



Now get the confidence interval using **STAT**, **TESTS**, **0:2-SampTInt**.