

# Steps to Construct a Frequency Distribution

## 1. Choose the number of intervals

Should be between 5 and 15.

The number of intervals is given to you for each problem.

## 2. Calculate the Interval Width

Find the range = maximum value – minimum. (125 - 67)

Then divide this by the number of classes. / 5 = 11.6

Finally, round up to a convenient number. Round up to 12

## 3. Establish the Intervals

The starting point of the first interval is the smallest data value in the set. Set up the intervals with the interval size found in step 2

## 4. Use your calculator to find the frequencies

Xmin = Where 1<sup>st</sup> interval starts      Xscl = Interval Size      Ymin = -5

Xmax = Where last interval ends      Ymax = ½ the # of #'s