

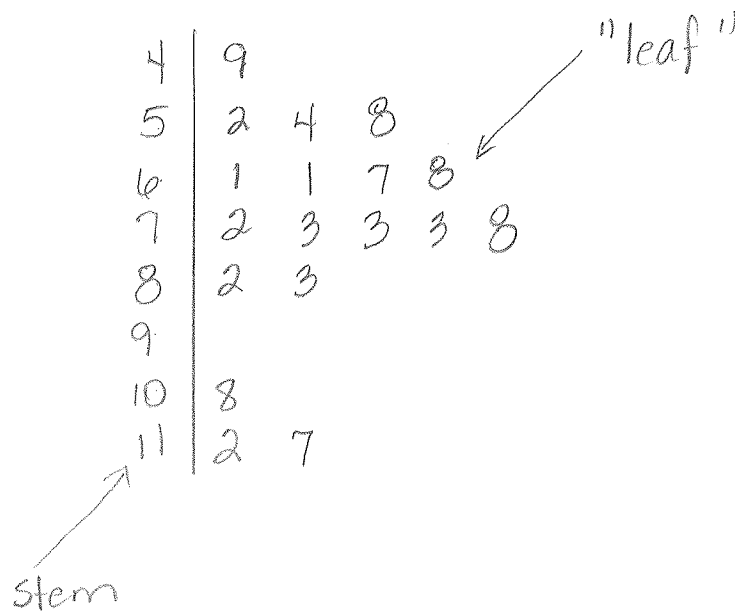
2.1.2 Histograms and Stem-and-Leaf Plots

Essential Question: How do I collect data and then display the data in a stem-and-leaf plot and a histogram?

BIG IDEAS:
stem-and-leaf plot

A frequency distribution that arranges data so that all digits except the last digit in each piece of data are in the stem, the last digit in each piece of data is a leaf, and both stems and leaves are arranged in order from least to greatest.

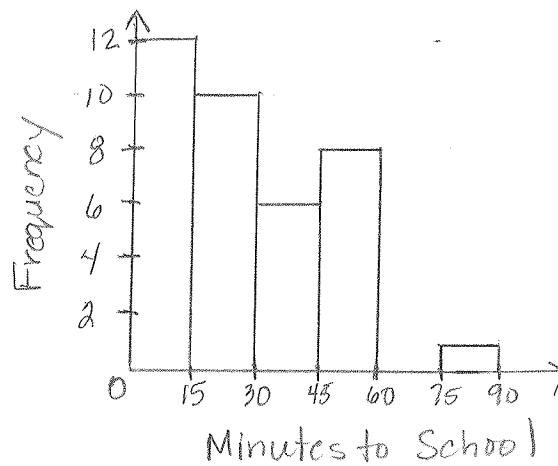
The example below displays the data:
49, 52, 54, 58, 61, 61, 67, 68, 72, 73, 73, 73,
78, 82, 83, 108, 112 and 117



2.1.2 cont.

BIG IDEAS histogram

... a way of displaying data that is much like a bar graph in that the height of the bars is proportional to the number of elements. The difference is that each bar represents the number of of data elements in a range of values. Each range of values should have the same width, and the bars touch each other.



bin

an interval on a histogram