Constructing Stem-and-Leaf Plot

Some students were estimating the points our school would score at the next basketball game. Their estimates are as follows:

59, 64, 45, 48, 57, 73, 58

To make a stem and leaf plot of this information, do the following:

Step 1: Organize the data from smallest to largest.

_____   _____   _____   _____   _____   _____   _____

Step 2: A stem and leaf plot is organized according to place values. In this list, all of the 40s would be grouped together, all of the 50s, all of the 60s and all of the 70s. However, it is done in shorthand.

Grouping the 40s look like;   40 | 5, 8

Grouping the 50s look like: 50 | 7, 8, 9

What is going on here? Check with a neighbor to see if you can discover the pattern of how this groupings are represented. After you think you understand, try filling out the whole stem and leaf plot.

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40 |
50 |
60 |
70 |
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Step 3: After you feel confident, try making a stem and leaf plot with our raisin estimates.