

2-4**Study Guide and Intervention****Stem-and-Leaf Plots**

Sometimes it is hard to read data in a table. You can use a **stem-and-leaf plot** to display the data in a more readable way. In a stem-and-leaf plot, you order the data from least to greatest. Then you organize the data by place value.

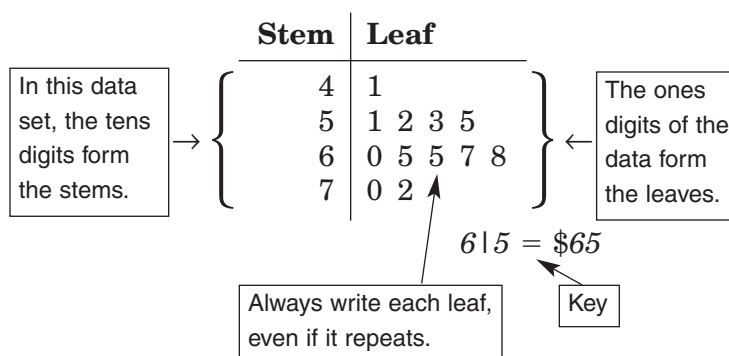
Example 1 Make a stem-and-leaf plot of the data in the table. Then write a few sentences that analyze the data.

Step 1 Order the data from least to greatest.
41 51 52 53 55 60 65 65 67 68 70 72

Step 2 Draw a vertical line and write the tens digits from least to greatest to the left of the line.

Step 3 Write the ones digits to the right of the line with the corresponding stems.

Money Earned Mowing Lawns (\$)			
60	55	53	41
67	72	65	68
65	70	52	51



Step 4 Include a key that explains the stems and leaves.

By looking at the plot, it is easy to see that the least amount of money earned was \$41 and the greatest amount was \$72. You can also see that most of the data fall between \$51 and \$68.

Exercise

Make a stem-and-leaf plot for the set of data below. Write a few sentences that analyze the data.

Points scored: 34 44 51 48 55 41 47 22 55