Worksheet To Accompany the "Stem-and-Leaf Plots" Lesson

This worksheet is intended for use with the lesson **Stem-and-Leaf Plots**.

Please answer the following questions using the Stem-and-Leaf Plotter:

- 1. Your class just took your last math test of the year. These are the scores: 97, 99, 81, 78, 73, 95, 33, 97, 64, 100, 85, 83, 85, 88, 79, 81, 93, 86, 83, and 71.
 - a. What are the mean, median, and mode of the data?
 - b. Describe the shape of the data set. Is it symmetric or are there extreme values in the low or high numbers?
 - c. Given this information would you say that the students did well on the exam? Explain.

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- 2. You decide to get odd jobs for the summer and you keep a log of your daily earnings. In one month you earned the following amounts: \$12, \$9, \$15, \$17, \$20, \$12, \$9, \$6, \$13, \$15, \$11, \$17, \$18, \$14, \$15, \$20, \$25, \$13, \$12, \$15.
 - a. What are the mean, median, and mode of the data?
 - b. Describe the shape of the data set. Is it symmetric or are there extreme values in the low or high numbers?
 - c. What was your average daily income? If you worked approximately 4 hours a day, what was your average daily income?

Please show your work:

3.	During the summer you also play in a recreational soccer league. Your coach asks you to quickly determine what was the most common score for the season. She was asking you to find the (mean, median, or mode) of the list of scores. Your team's scores were: 9, 5, 2, 10, 7, 6, 7, 2, 5, 7, 9, 10, 9, and 6. a. What are the mean, median, and mode of the data? b. Describe the shape of the data set. Is it symmetric or are there extreme values in the low or high numbers? c. Draw the appropriate stem-and-leaf plot and write your answer for the most common score.
4.	An extra challenge: You visit the grocery store with your dad and he is using a whole lot of coupons in order to save money. You decide to find the mean, median, and mode of the coupons and you want to use a stem-and-leaf plot, but then you realize that the coupons contain decimals. How can you use the stem-and-leaf plot?
	Here are the values of the coupons: \$0.50, \$0.75, \$0.30, \$1.00, \$0.45, \$0.30, \$0.75, \$0.25, \$0.25, \$1.50, \$0.75, \$0.30, and \$0.50. Use the method that you described to find the mean, median, and mode of these values!