

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.

Please show your work:

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.
- What are the mean, median, and mode of the data?
 - Describe the shape of the data set. Is it symmetric or are there extreme values in the low or high numbers?
 - 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, \$0.45, \$0.30, and \$0.50. Use the method that you described to find the mean, median, and mode of these values!