April 11, 2014

Unit Practice- Examples of problems can be found on pages 225-228 of your text book. Please read page 224 and look at the examples before asking how to complete the problems. I’m happy to guide you through, but I want you to be able to use the tools available to help you out first. These questions are adapted from page 229 for questions 1-4 and 237.

1. Find the mean, median, mode and range for each data set given:
2. 7, 12, 1, 7, 6, 5, 11
3. 85, 105, 95, 90, 115
4. 10, 14, 16, 16, 8, 9, 11, 12, 3
5. 10, 8, 7, 5, 9, 10, 7
6. 45, 50, 40, 35, 75
7. 15, 11, 11, 16, 16, 9
8. Which of the sets of data is bimodal? Which sets have no mode at all?
9. Which of the data sets from Exercise 2 are skewed?
10. Courtney wants to sell her grandfather’s antique 1932 Ford. She begins to set her price by looking at ads and finds these prices:

$24,600, $19,000, $33,000, $15,000, and $20,000

What is the mean and median price?

Which measure of central tendency should she use? Why?

1. Tyler’s family will join together and pay for ½ the cost of a car for him if he gets a 90 average in math this quarter. All grades are weighted equally. Here are his grades for the first four exams: 91, 82, 90, 89. What grade does he need on his final exam to have a 90 average?
2. Bonus question: Express the mean of the data set shown in the frequency table algebraically.

Price Frequency

 X Y

W 5

16 4

18 V