Name_____ Date: _____ Period: ____

Inferences Unit

Calculating Mean

Directions: Calculate the mean for each problem below. Show all of your work and circle your answer.

1. What is the mean of 12, 3, 7 and 10?

2. What is the mean of 15, 20, 30, 50 and 25?

3. Jessica collected 87 glass bottles on Monday, 58 on Tuesday, 92 on Wednesday, 72 on Thursday and 61 on Friday. What is the mean number of bottles she collected in a day?

4. Maliks's reading log shows the total number of minutes he read each night.

Mon	Tues	Wed	Thurs	Fri	Sat	Sun
21	18	22	31	29	25	29

What is the average (mean) number minutes Malik read during the week?

5. Ronginea's test scores for Quarter 1 are listed below:

89, 94, 81, 96

What is her test average (mean) this quarter?

A. 93
B. 360
C. 90
D. 89

Name _____ Date _____ Class _____

LESSON 7-2

Practice B

Mean, Median, Mode, and Range

Find the mean, median, mode, and range of each data set.

1. 46, 35, 23, 37, 29, 53, 43

_____

2. 72, 56, 47, 69, 75, 48, 56, 57

_____

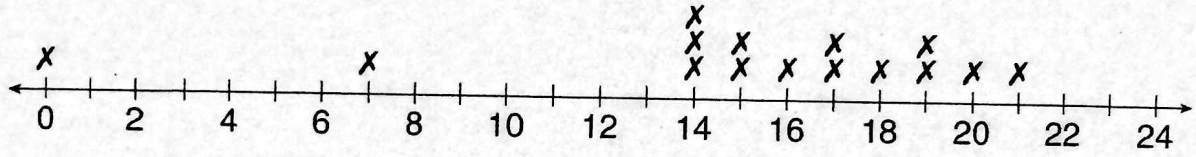
3. 19, 11, 80, 19, 27, 19, 10, 25, 15

_____

4. 7, 8, 20, 6, 9, 11, 10, 8, 9, 8

_____

5. The line plot shows the number of hours 15 students said they spent on homework in one week. Which measure of central tendency best describes the data? Justify your answer.



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Identify the outlier in each data set. Then determine how the outlier affects the mean, median, and mode of the data. Then tell which measure of central tendency best describes the data with and without the outlier.

6. 14, 16, 13, 15, 5, 16, 12

_____

7. 48, 46, 52, 92, 57, 58, 52, 61, 56

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