

Unit 07-02 - Sample Quiz: Central Tendencies

Multiple Choice

Identify the choice that best completes the statement or answers the question.

_____ 1. Justin and TJ are servers at a local restaurant. The table below shows the tips they earned.

Tips	Justin	T.J.
Monday	\$32	\$58
Tuesday	\$45	\$48
Wednesday	\$50	\$40
Thursday	\$33	\$42
Friday	\$50	\$42

Which student has a higher **mean** tip for the week and by how much?

- a. Justin’s mean tip is \$4 more than TJ’s mean tip.
- b. TJ’s mean tip is \$4 more than Justin’s mean tip.
- c. Justin’s mean tip is \$3 more than TJ’s mean tip.
- d. TJ’s mean tip is \$3 more than Justin’s mean tip.

_____ 2.

The number of cookies found in 10 different snack bags are shown below:

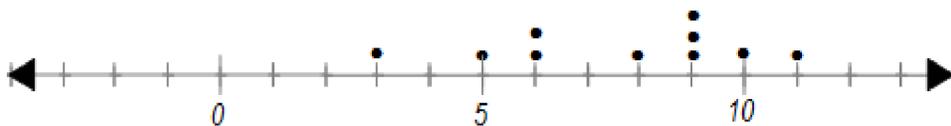
14, 12, 14, 13, 14, 14, 14, 15, 14, 12



Which **center** should be used to best represent the data?

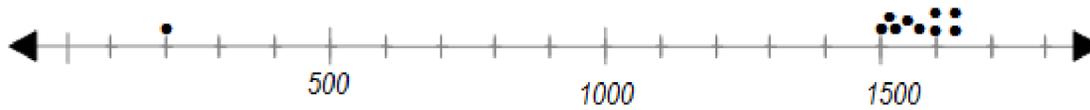
- a. The **mean** number of cookies is 13.6.
- b. The **median** number of cookies is 14.
- c. The **mode** of the number of cookies is 14.
- d. The **range** of the number of cookies is 3.

_____ 3. What is the **mode** of the following data set shown in the dot plot:



- a. 7.6
- b. 8.5
- c. 9.5
- d. 9

4. Which center would best represent the data based on the data points alone?



- a. mean
- b. median
- c. mode
- d. range

5. Consider the data set:

4, 5, 5, 5, 6, 6, 8, 9, 11, 12

What would happen to the **median** if another data point of 17 was added to the data set?

- a. The median would go up by 0.9
- b. The median would go down by 0.9
- c. The median would go up by 14
- d. The median would remain the same

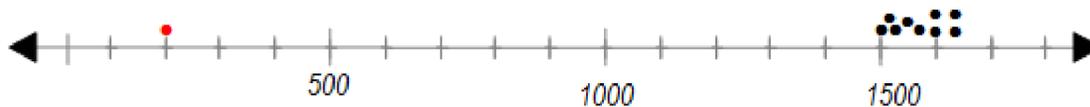
6. Consider the data set:

4, 5, 5, 5, 6, 6, 8, 9, 11, 12

What would happen to the **mean** if another data point of 17 was added to the data set?

- a. The mean would go up by 0.9
- b. The mean would go down by 0.9
- c. The mean would go up by 14
- d. The mean would remain the same

7. Consider the data set represented by the dot plot:



Which word best describes the **red** data point?

- a. Unbalanced
- b. Third quartile
- c. Outlier
- d. Absolute Deviation

8.

A bank is trying to determine how much a particular contractor makes on each job that he works to determine how much money that they can loan him. If the contractor made the following amount of money on the last 8 jobs, which central tendency would most accurately describe the following data set?



\$5000 \$8200 \$7500 \$58,500 \$7000 \$4200 \$3200 \$6700

- a. Mean
- b. Median
- c. Mode
- d. Range