Name _____ Period _____

Mean, Median, or Mode?

Tell which measure of central tendency (mean, median, or mode) should be used in the data sets below.

1) Last week, John spent 35, 30, 45, 30, 40, 37, and 28 minutes playing basketball. Find the mean, median, and mode.

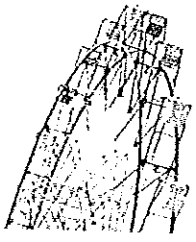
Mean:

Median:

Mode:

2) The average wait times for 10 different rides at an amusement park are 65, 21, 17, 52, 25, 17, 11, 22, 60, and 44 minutes. Which measure of central tendency would the amusement park advertise to show that the wait times for its rides are short? Find the mean, median, and mode and justify your answer.

Mean:



Median:

Mode:

Answer: _____

_____

Name _____ Period _____

3) Each seventh grade English classes have a reading competition and they count the number of books read by students in each class. The tallies are 38, 45, 26, 51, 42, 38, 50, and 58 books. Which measure of central tendency best represents the data? Find the mean, median, and mode and then justify your answer.

Mean:

Median:

Mode:

Answer: _____

_____

4) The table below shows the attendance at an art museum. Which measure of central tendency would the museum use to show it has a large number of visitors? Find the mean, median, and mode and justify your answer.

Mean:

Median:

Mode:

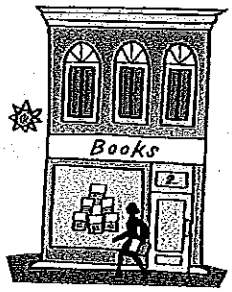
DAY	ATTENDANCE
Tuesday	214
Wednesday	189
Thursday	214
Friday	248
Saturday	220
Sunday	253

Answer: _____

_____

Name _____ Period _____

5) *The hourly wages of employees in a small store are $7, $24, $8, $10, $6, $8, and $8. Which* measure of central tendency might the store use to attract people to work there? Explain.



Mean:

Median:

Mode:

Answer: _____

_____

6) A store sold 53, 61, 46, 59, 61, 55, and 49 board games in one week. If the store sells 83 board games on the 8th day, which measure of central tendency (mean, median, or mode) will change the most? Justify your answer.

_____

_____

_____

7) Can a data set have more than one mode? Median? Explain.

_____

_____

_____

8) Is it *always, sometimes,* or *never* possible for the mean, median, and mode to be equal? Justify your answer.

_____

_____

_____