

Mathematics - Mean, Mode, Median & Range

mean

The mean is the average or norm.

- Add up all of the values to find a total.
- Divide the total by the number of values you added together.

$$2 + 2 + 3 + 5 + 5 + 7 + 8 = 32$$

There are 7 values

Divide the total by 7

$$32 \div 7 = 4.57$$

The mean is 4.57

mode

The mode is the most frequent value.

- Count how many of each value appears.
- The mode is the value that appears the most.
- You can have more than one mode.

2, 2, 3, 5, 5, 7, 8

2 5

The modes are 2 and 5

median

The median is the middle value.

- Put all of the values into order.
- The median is the middle value.
- If there are two values in the middle, find the mean of these two.

2, 2, 3, 5, 5, 7, 8

The median is 5

range

The range is the difference between the lowest and highest value.

- Find the highest and lowest values.
- Subtract the lowest value from the highest.

2, 2, 3, 5, 5, 7, 8

$$8 - 2 = 6$$

The range is 6

Directions: Find the mean, median, mode, and range for each set of data given.

12, 20, 14, 20, 18, 6

9, 20, 17, 9, 20

MEAN: _____ MODE: _____

MEAN: _____ MODE: _____

MEDIAN: _____ RANGE: _____

MEDIAN: _____ RANGE: _____

19, 20, 7, 11, 14, 19, 7, 15

16, 10, 18, 20, 12, 6, 11, 6, 19, 12

MEAN: _____ MODE: _____

MEAN: _____ MODE: _____

MEDIAN: _____ RANGE: _____

MEDIAN: _____ RANGE: _____

7, 7, 11, 20, 16, 9, 7, 18, 19, 16

9, 17, 12, 11, 17

MEAN: _____ MODE: _____

MEAN: _____ MODE: _____

MEDIAN: _____ RANGE: _____

MEDIAN: _____ RANGE: _____

7, 15, 17, 6, 15, 15, 9

10, 8, 20, 9, 13

MEAN: _____ MODE: _____

MEAN: _____ MODE: _____

MEDIAN: _____ RANGE: _____

MEDIAN: _____ RANGE: _____