



# 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

$$32 \div 7 = 4.57$$

Divide the total by 7

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.

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

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.

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

Lowest: 2, Highest: 8

$$8 - 2 = 6$$

The range is 6

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

2, 7, 4, 2, 3, 6, 11

11, 4, 7, 8, 2, 6, 4

MEAN: \_\_\_\_\_ MODE: \_\_\_\_\_

MEAN: \_\_\_\_\_ MODE: \_\_\_\_\_

MEDIAN: \_\_\_\_\_ RANGE: \_\_\_\_\_

MEDIAN: \_\_\_\_\_ RANGE: \_\_\_\_\_

70, 63, 67, 62, 63

14, 68, 38, 65, 36, 57, 65

MEAN: \_\_\_\_\_ MODE: \_\_\_\_\_

MEAN: \_\_\_\_\_ MODE: \_\_\_\_\_

MEDIAN: \_\_\_\_\_ RANGE: \_\_\_\_\_

MEDIAN: \_\_\_\_\_ RANGE: \_\_\_\_\_

109, 104, 96, 103, 104, 107, 98

22, 37, 19, 25, 37, 51, 82

MEAN: \_\_\_\_\_ MODE: \_\_\_\_\_

MEAN: \_\_\_\_\_ MODE: \_\_\_\_\_

MEDIAN: \_\_\_\_\_ RANGE: \_\_\_\_\_

MEDIAN: \_\_\_\_\_ RANGE: \_\_\_\_\_

32, 37, 35, 34, 25, 41, 34

126, 128, 107, 113, 120, 126

MEAN: \_\_\_\_\_ MODE: \_\_\_\_\_

MEAN: \_\_\_\_\_ MODE: \_\_\_\_\_

MEDIAN: \_\_\_\_\_ RANGE: \_\_\_\_\_

MEDIAN: \_\_\_\_\_ RANGE: \_\_\_\_\_