EJERCICIO DE MEDIANA MODA Y RANGO

NOMBRE: **GRADO:**

Practice 2 Median, Mode, and Range

Find the median, mode, and range.

Example

4, 6, 5, 6, 8, 8, 10, 8

Find the median.

4, 5, 6, (6, 8,) 8, 8, 10

Arrange the numbers in order from least to greatest. The middle number or the mean of the two middle numbers is the median.

Since there are two middle numbers, 6 and 8, find the mean of the two numbers.

The median of the data set is $\frac{6+8}{2} = \frac{14}{2} = 7$.

Find the mode.

4, 5, 6, 6, (8, 8, 8,) 10

The number that appears most often is the mode. There can be more than one mode. If all the numbers appear the same number of times, there is no mode.

The mode of the data set is 8.

Find the range.

4, 5, 6, 6, 8, 8, 8, 10

Range = 10 − 4
= 6

The difference between the greatest and the least number is the range.

The range of the data set is 6.

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

1. 50, 52, 58, 50, 47, 43, 52, 60, 49, 52

Median:

Mode:

Range:

2. 15 in., 18 in., 12 in., 14 in., 30 in., 15 in., 15 in.

Median:

Mode:

Range:

3. 9 lb, 11 lb, 14 lb, 20 lb, 14 lb, 20 lb, 14 lb, 20 lb

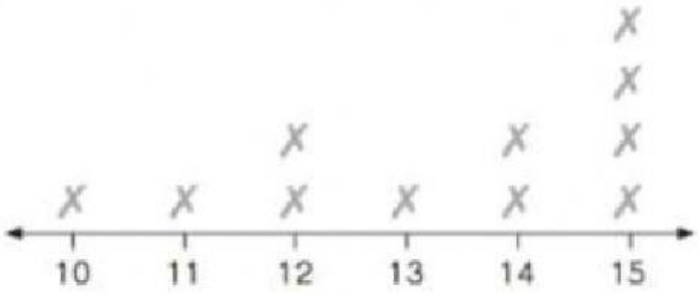
Median:

Mode:

Range:

Example

The line plot shows the number of words spelled correctly by each contestant in a spelling bee. Each ✗ represents one contestant.



Number of Words Spelled Correctly

An ✗ above 15 on the number line represents a contestant who spelled 15 words correctly.

Complete. Use the data in the line plot.

_____ contestants took part in the spelling bee.

The median number of words spelled correctly is _____.

The number of contestants who spelled the greatest number of words correctly is _____.

The mode of the set of data is _____ words.

The difference between the greatest and the least number of words spelled correctly is _____.