

Range, Mean, Median, and Mode

Data can be analyzed using the methods listed below. It is helpful to list the data in order from least to greatest before analyzing it.

Data: 36, 74, 43, 36, 41

Listed in order from least to greatest: 36, 36, 41, 43, 74

Range The ^{Subtract} difference between the greatest and least numbers.

The range of the data is
 $74 - 36 = 38.$

Mean The ^{Add} sum of the data divided by the number of pieces of data.

There are 5 pieces of data
The mean of the data is

$$\frac{36 + 36 + 41 + 43 + 74}{5}$$
$$= \frac{230}{5} = 46$$

Median The middle number or the mean of the two middle numbers when the data is listed in order.

36 36 41 43 74
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The median of the data is 41.

Mode The number that occurs most often. Some sets of data have no mode. Some have more than one mode.

36 36 41 43 74

The mode of the data is 36.