

Data

values such as counts, ratings, measurements, or opinions that are gathered to answer questions

Statistics

the practice of collecting and analyzing data

Mean

the sum of the numbers in a set of data divided by the number of pieces of data

- add the numbers together
- divide by how many numbers there are

Apr 23-11:11 AM

Median

the middle number in a set of data when the data is arranged in numerical order

**if there are 2 numbers in the middle, the median is the mean of those two numbers.

Mode

the number that appears the most in a set of data

Range

the difference between the least value and the greatest value in a set of data.

Apr 23-11:19 AM

Line plot

a way to organize data along a number line

15 , 20, 23, 13, 17, 21, 17

mean = median =
mode = range =
line plot

Apr 23-11:25 AM

46, 62, 63, 57, 50, 42, 56, 40

mean = median =
mode = range =

line plot

Apr 23-11:30 AM

Histogram

A graph that shows the distribution of numerical data. The range of data values are divided into intervals and displayed on a horizontal axis, while the vertical axis shows frequency

Interval

a set of numbers in which any number that lies between the two numbers is also included in the set

Frequency Table

a list of items or intervals that shows the number of times in which they occur

Apr 30-7:42 AM

Distribution

the arrangement of values in a data set

Gap

a break or opening in the data set

Cluster

a group close together

Peak

the point of maximum frequency

Apr 30-7:46 AM

Measures of center

a numerical value to represent the center of the data

****midpoint or balancing point**

**mean or median

Outlier

a value that lies far from the center

Measures of variability

the degree of variability of the individual data and their deviations from their measures of center

5, 7, 4, 6, 7, 2, 7, 6, 7, 5, 5, 3, 2

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mean=
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median=

mode=

range=

Line plot

May 1-7:17 AM

May 3-7:45 AM