Cosmo School

Chapter-8
Information and Data
Class-6
Subject-Mathematics
Date-14/05/2020

DAY-6

Mean:

The **mean/Arithmetic mean or average** of a set of data values is the <u>sum</u> of all of the data values divided by the number of data values.

$$\text{Mean} = \frac{\text{Sum of all data values}}{\text{Number of data values}}$$

Median:

The **median** of a set of data values is the middle value of the data set when it has been arranged in ascending order. That is, from the smallest value to the highest value.

If, the total number of the data is odd.

Then median $= \dfrac{\text{number of data} + 1}{2}$ term

Note:

If the number of values in the data set is even, then the **median** is the average of the two middle values.

Mode:

The **mode** of a set of data values is the values that occur most often.

Try yourself(Question 1 and 2):

1.The secured marks in Mathematics of 15 students of class six in Cosmo school & college are : 95, 62, 87, 32, 59, 92, 82, 66, 75, 99, 44, 37,58, 51, 62.
   a. Is the data an organized data? Bring the data in an organized form.
   b. Determine arithmetic mean of the data.
   c. Find median and mode of the data.

2. **A student writes the following numbers talking from 20 to 40.**
   21, 37, 40,22, 39,
   35,22,25,32,22,21,37,40,22,39,35,25,22,37,39,32,22,37,32,40,37,22,35,22.
   a. Write down the given numbers in order of their values.
   b. Determine the median and mode of the data.
   c. Determine arithmetic mean of the data

Solve exercises word problem from text book

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