Revision Worksheet: 1   Level 7   Mathematics- 2nd Term

Chapter : 17 Averages of Statistical Data

Q1)   The Score of 8 students in an English test are 79, 58, 73, 66, 50, 89, 91 and 58.

Find their mean score.

Q2) The Mean of 44, 47, y, 58 and 55 is 52. Find the value of y.

Q3) Find the Median of the following sets of Data.

32, 15, 20, 15, 25, 12

Q4) The Stem and Leaf diagram represents the volumes, in ml, of chemical solution in 15 bottles.

Key: 3|1 means 31

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Stem | Leaf
  1  | 9 9
  2  | 0 4 7 8
  3  | 1 2 2 2 6
  4  | 0 5 5
  5  | 5
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Q5) The heights, in cm of 18 students are recorded.

Height(cm)	152	154	156	158	160
Number of Students	2	2	5	1	8

Find the median height of the Students.

Q6) Find the mode of the following data.

(a) 12, 8, 4, 8, 1, 8, 9, 11, 9, 10, 12, 8

(b) 15, 22, 17, 19, 22, 17, 29, 24, 17, 15

(c) 0, 3, 2, 1, 3, 5, 4, 3, 42, 1, 2, 0

Q7) The marks obtained by 40 students out of 50 in a class are given below in the table.

Marks (in $)	42	36	30	45	50
Number of Students	7	10	13	8	2

Find the mode of the above data.

Q8) The following observations are arranged in ascending order. The median of the data is 25 find the value of x.

17, x, 24, x + 7, 35, 36, 46

Mean = $\dfrac{sum\ of\ data}{number\ of\ data}$

Median = Median is the middle value when the data arranged in ascending order

Middle value = $\dfrac{n+1}{2}$

Mode = value which occurs most frequently in a set of data.