

WANDOOR GANITHAM - S S L C UNIT TEST 2021

E1.11A

STATISTICS

Total Score : 15

Time : 30 minutes

1. The marks obtained by 10 students in maths exam are given below .

10 , 14 , 18 , 22 , 26 , 30 , 34 , 38 , 42 , 46

What is the mean mark ?

(1)

2. The weights of some children in a cricket club are given (in kilograms) below .

36 , 42 , 30 , 38 , 46 , 32 , 44 , 34 , 40

a) What is the mean weight ?

b) What is the median weight ?

(3)

3. The number of candies sold in a week from a shop are given below .

109 , 103 , 117 , 106 , 115 , 106 , 112

a) What is the mean of number of candies ?

b) What is the median of number of candies ?

(3)

4. 45 households in a neighbourhood are sorted according to their monthly income in the table below .

Monthly income (Rs)	Number of households
4000	3
5000	7
6000	10
7000	9
8000	7
9000	5
10000	4

a) If the households are arranged in increasing order of monthly income , what is the monthly income of the household at the 15th position ?

b) If the households are arranged in increasing order of monthly income , the monthly income of the household at what position is taken as the median ?

c) Find the median of the monthly income ? (4)

5. The table below shows the workers in a factory sorted according to their daily wages .

Daily wages (Rs)	Number of workers
900	5
950	7
1000	8
1250	10
1300	9
1400	6
1500	5

a) If the workers are arranged in increasing order of daily wage , what is the daily wage of the worker at the 19th position ?

b) If the workers are arranged in increasing order of daily wage , the daily wage of the worker at what position is taken as the median ?

c) Find the median daily wage ? (4)