

SATISH CHANDRA MEMORIAL SCHOOL

WORKSHEET

STATISTICS (X)

1.

Monthly Expenditure	Number of Families
Expenditure more than rs 10000	100
Expenditure more thanrs 13000	85
Expenditure more thanrs 16000	69
Expenditure more thanrs 19000	50
Expenditure more thanrs 22000	33
Expenditure more thanrs 25000	15

The number of families having expenditure range in Rs 16000-19000 is

1. 15
2. 17
3. 18
4. 19

2. Construction of a cumulative frequency table is useful determining the

1. mean
2. mode
3. medien
4. all of the above

3. The abscissa of the point of interaction of the 'less than type' and of the 'more than type' cumulative frequency curve of grouped data gives

1. mode
2. median
3. mean
4. all of the above

4. What should be the modal class

Marks	Number of students
Below 10	3
Below 20	12
Below 30	27
Below 40	57
Below 50	75
Below 60	80

1. 15-60
2. 30-40
3. 20-30
4. 10-20

5. What should be the modal class

Classes	0-10	10-20	20-30	30-40	40-50	50-60
Frequencies	5	6	13	38	30	4

1. 10-20
2. 30-40
3. 40-50
4. 50-60

6. What should be the frequency of 30-40 in this case

Marks obtained	Number of students
More than or equal to 0	63
More than or equal to 10	58
More than or equal to 20	55
More than or equal to 30	51
More than or equal to 40	48
More than or equal to 50	42

1. 51
2. 48
3. 4
4. 3

7. What should come in the blank?

Mode= (.....) -2 (mean)

1. 3 (median)
2. 4 (median)
3. 2 (median)
4. 5 (median)

8. What should be the modal class?

Classes	Frequencies
0-10	12
10-20	16
20-30	17
30-40	13
40-50	11
50-60	19

1. 0-10
2. 10-20
3. 20-30
4. 50-60

9. A student noted the number of cars passing through a spot on a road for 100 periods each of 3 minutes and summarised it in the table given below. Find the mode of the data:

Number of cars	Frequency
0-10	7
10-20	14
20-30	13
30-40	12
40-50	20
50-60	11
60-70	15
70-80	8

10. An aircraft has 120 passenger seats. The number of seats occupied during 100 flights are given in the following table:

Number of seats	100-104	104-108	108-112	112-116	116-200
Frequency	15	20	32	18	15

Determine the mean, median and mode number of seats occupied over the flights.