Learning Outcome: Student will be able to evaluate the mean, median, mode for the given data.

Blooms Taxonomy Level: BT3

1. In a survey of 35 families in a village, the number of children per family were recorded and the following data was obtained

1	0	2	3	4	5	6
7	2	3	4	0	2	5
8	4	5	12	6	3	2
7	6	5	3	3	7	8
9	7	9	4	5	4	3

Represent the data in the form of a discrete frequency distribution.

2. The marks obtained by 50 students are given below:

31 13	46	31	30	45	38	42	30	9
30 30	46	36	2	41	44	18	29	63
44 30	19	5	44	15	7	25	12	30
6 22	24	37	15	6	39	32	21	20
42 31	19	14	23	28	17	53	22	21

Create a frequency distribution table for the given data.

3. Calculate mean of the series

14100	14150	16080	17120	15200	16160 17400
1.100	1.100	10000	1,120	10-00	10100 17.00

4. Calculate the arithmetic mean of the marks from the following data by direct method and shortcut method

Marks: $0 - 10$	10-20	20-30	30-40	40-50	50-
60					
No. of 12	18	27	20	17	6
students					

5. Obtain the value of median from the following data of the monthly income of 10 employees of a company in Rs:

14,391	15,384	25,591	15,407	16,672	26,522
16,777	26,753	3 27,850	3	7,490.	

6. Find the median of the given grouped data

Age	No of worker
18-22	120
22-26	125
26-30	280
30-34	260
34-38	155

38-42	184
42-46	162
46-50	86
50-54	75
54-58	53
	1500

7. Following is the distribution of marks obtained by 50 students in Statistics. Calculate the median marks.

Marks	0	10	20	30	40	50
(More Than)						
No. of	50	46	40	20	10	3
Students						

8. Calculate the mode from the following data

Sl. No. 1	2	3	4	5	6	7	8	9	10
Marks10	27	24	12	27	27	20	18	15	3

9. Find the mode of the given data

Sales	no of
	companies
Below	
60	12
60-62	18
62-64	25
64-66	30
66-68	10
68-70	5
70-72	2
	102

10. Calculate mode from the following data:

Marks	No. of Students
Above 0	80
Above 10	77
Above 20	72
Above 30	65
Above 40	55
Above 50	43
Above 60	28

Above 70	16
Above 80	10
Above 90	8
Above 1000	0