

**CBSE TEST PAPER-01**  
**MATHEMATICS (Class-10)**  
**Chapter 14. Statistics**

1. Find the mean of the following frequency distribution 4-marks      Ans:112.2

Class	Frequency
50-70	18
70-90	12
90-110	13
110-130	27
130-150	8
150-170	22

2. The arithmetic mean of the following frequency distribution is 25. 4-marks      Ans:16  
Determine the value of 'p'

Class	Frequency
0-10	5
10-20	18
20-30	15
30-40	P
40-50	6

3. Find the mean of the following frequency distribution 4-marks      Ans:36.36

Class	Frequency
25-29	14
30-34	22
35-39	16
40-44	6
45-49	5
50-54	3
55-59	4

4. The mean of the following frequency distribution is 57.6 and 4-marks      Ans:8,10  
the sum of the observations is 50. Find the missing frequencies x and y

Class	Frequency
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0-20	7
20-40	X
40-60	12
60-80	7
80-100	Y
100-120	5

5. The daily profits of 100 shops in a department store are distributed as follows. Find the mean. 4-marks Ans:256.25

Profit	Frequency
0-100	12
100-200	18
200-300	27
300-400	20
400-500	17
500-600	6

6. The marks obtained by 200 students in an examination are given below. Find the median value. 6-marks Ans:57

Marks	Frequency
0-10	5
10-20	10
20-30	11
30-40	20
40-50	27
50-60	38
60-70	40
70-80	29
80-90	14
90-100	6

7. The marks of students in a test were recorded as under find the mean 4-marks Ans:54.94

Marks	Frequency
21-30	5

31-40	9
41-50	12
51-60	18
61-70	15
71-80	6
81-90	3

8. The following table gives the height of 360 trees. Find the median value. 6-marks Ans:31

Height (Less than)	Frequency
Less than 7	25
Less than 14	45
Less than 21	95
Less than 28	140
Less than 35	235
Less than 42	275
Less than 49	320
Less than 56	360

9. Find the mode of the following frequency distribution 4-marks Ans:12.89

Class	Frequency
0-5	2
5-10	7
10-15	18
15-20	10
20-25	8
25-30	5

- 10 The mean of the following frequency distribution is 62.8. Find the missing frequency x. 3-marks Ans:10

Class	Frequency
0-20	5
20-40	8
40-60	X
60-80	12
80-100	7
100-120	8