Statistics

MEAN

Q.1 Find the mean of the following data :

Class Interval	0-8	8-16	16-24	24-32	32-40
Frequency	6	7	10	8	9

Q.2 The following distribution shows the daily pocket allowance of children of a locality.

The mean pocket allowance is Rs. 18. Find the missing frequency f.

Daily pocket allowance (in Rs.)	11-13	13-15	15-17	17-19	19-21	21-23	23-25
Number of children	7	6	9	13	f	5	4

Q.3 Find the missing frequencies f_1 and f_2 in the table given below, it is being given that

the mean of the given frequency distribution is 50.

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	17	f1	32	f2	19	120

Q.4 The following table gives the marks scored by 100 students in a class test :

Find the mean marks scored by a student in class test.

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

Q.5 Thirty women were examined in a hospital by a doctor and the number of heart

beats per minute, were recorded and summarised as follows. Find the mean heart

beats per minute for these women, by using assumed-mean method.

No. of heart beats per minute	65-68	68-71	71-74	74-77	77-80	80-83	83-86
Frequency	2	4	3	8	7	4	2

Q.6 Find the mean of the following distribution by step-deviation method :

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

Q.7 Find the mean marks from the following data :

Marks	Below									
	10	20	30	40	50	60	70	80	90	100
No. of Students	5	9	17	29	45	60	70	78	83	85

Q.8 Find the mean marks of students from the adjoining frequency distribution table.

Marke	No. of
FRINS	Students
Above 0	80
Above 10	77
Above 20	72
Above 30	65
Above 40	55
Above 50	43
Above 60	23
Above 70	16
Above 80	10
Above 90	8
Above 100	0

CLASS 10

Q.9 Find the arithmetic mean of the following frequency distribution.

Class	25-29	30-34	35-39	40-44	45-49	50-54	55-5 9
Frequency	14	22	16	6	5	3	4

Q.10 Apply Deviation method to find arithmetic mean in each of the following:

(I)	Class- interval	0–10	10–20	20–30	30–40	40–50
	Frequency	9	12	15	10	14

(II)

	Class- interval	0–10	10–20	20–30	30–40	40–50
]	Frequency	12	11	8	10	9

CLASS 10

ANSWER :

- **1.** 21.4
- **2.** f = 20
- **3.** f₁ and f₂ are 28 and 24
- **4.** 28
- **5.** 75.9
- **6.** 112.2
- **7.** 48.41
- **8.** 51.1 (approx)
- **9.** 36.36 (approx).
- **10. (I).** 26.3 **(II).** 23.6