



Heights of 25 students are given below. Find the mean.

1.	<b>Height (in cm)</b>	127	137	144	155	157	163	164	173
	<b>No. of students</b>	3	5	1	3	3	4	3	3

- (i)  $\frac{762}{5}$  cm (ii)  $\frac{3834}{25}$  cm (iii)  $\frac{3859}{25}$  cm (iv)  $\frac{3811}{25}$  cm (v)  $\frac{3809}{25}$  cm

Heights of 30 plants are given below. Find the mean.

2.	<b>Height (in cm)</b>	55	58	63	64	65	66	74	77	92	95	100
	<b>No. of plants</b>	3	3	3	2	1	2	1	2	3	4	6

- (i)  $\frac{781}{10}$  cm (ii)  $\frac{789}{10}$  cm (iii) 78 cm (iv)  $\frac{779}{10}$  cm (v)  $\frac{799}{10}$  cm

Ages of 15 students are given below. Find the mean.

3.	<b>Age (in years)</b>	10	11	12	13	14	15
	<b>No. of students</b>	5	3	1	1	2	3

- (i)  $\frac{196}{15}$  years (ii)  $\frac{61}{5}$  years (iii)  $\frac{181}{15}$  years (iv)  $\frac{211}{15}$  years (v)  $\frac{182}{15}$  years

Scores of 20 students are given below. Find the mean.

4.	<b>Score</b>	70	71	82	83	84	86	88	90
	<b>No. of students</b>	4	3	2	2	1	1	4	3

- (i)  $\frac{323}{4}$  (ii)  $\frac{325}{4}$  (iii)  $\frac{331}{4}$  (iv) 81 (v)  $\frac{327}{4}$

Rainfall of 20 days are given below. Find the mean.

5.	<b>Rainfall (in mm)</b>	5	6	7	8	9	10	11	12	15
	<b>No. of days</b>	5	1	3	2	1	1	2	4	1

- (i)  $\frac{48}{5}$  mm (ii)  $\frac{53}{5}$  mm (iii) 9 mm (iv)  $\frac{43}{5}$  mm (v)  $\frac{44}{5}$  mm

Temperatures of 20 days are given below. Find the mean.

6.	<b>Temperature (in degree C)</b>	27	29	30	31	32	34
	<b>No. of days</b>	6	6	3	1	1	3

- (i)  $\frac{631}{20}$  °C (ii)  $\frac{148}{5}$  °C (iii)  $\frac{593}{20}$  °C (iv)  $\frac{611}{20}$  °C (v)  $\frac{591}{20}$  °C

Weights of 10 students are given below. Find the mean.

7.	<b>Weight (in kg)</b>	47	49	51	52	53	58
	<b>No. of students</b>	1	1	2	1	3	2

- (i)  $\frac{105}{2}$  kg (ii) 53 kg (iii)  $\frac{107}{2}$  kg (iv)  $\frac{109}{2}$  kg

Wages of 25 labourers are given below. Find the mean.

8.	<b>Wage (in rupees)</b>	321	323	331	336	362	381	382	398	418	424	439
	<b>No. of labourers</b>	1	2	1	2	6	2	1	2	3	3	2

- (i) ₹379.52 (ii) ₹379.44 (iii) ₹380.44 (iv) ₹381.44 (v) ₹379.48

The following table shows the weights of 92 persons in a group. Find the mean weight.

9.	<b>Weight (in kg)</b>	40 - 46	47 - 53	54 - 60	61 - 67	68 - 74	75 - 81	82 - 88	89 - 95
	<b>No. of persons</b>	9	6	5	19	15	10	15	13

- (i)  $\frac{1672}{23}$  kg (ii)  $\frac{1627}{23}$  kg (iii)  $\frac{1649}{23}$  kg (iv)  $\frac{1628}{23}$  kg (v)  $\frac{1626}{23}$  kg

The following table shows the weights of 92 persons in a group. Find the mean weight.

10.	<b>Weight (in kg)</b>	30 - 39	39 - 48	48 - 57	57 - 66	66 - 75	75 - 84
	<b>No. of persons</b>	19	19	13	13	20	8

- (i)  $\frac{1253}{23}$  kg (ii)  $\frac{2505}{46}$  kg (iii)  $\frac{2551}{46}$  kg (iv)  $\frac{109}{2}$  kg (v)  $\frac{2597}{46}$  kg

The daily wages of 92 workers in a factory are given below. Find the mean wage.

11.	<b>Wage (in rupees)</b>	30 - 38	39 - 47	48 - 56	57 - 65	66 - 74
	<b>No. of workers</b>	26	6	23	19	18

- (i) ₹51.72 (ii) ₹52.71 (iii) ₹53.71 (iv) ₹51.71 (v) ₹51.73

The daily wages of 131 workers in a factory are given below. Find the mean wage.

12.	<b>Wage (in rupees)</b>	30 - 36	36 - 42	42 - 48	48 - 54	54 - 60	60 - 66	66 - 72
	<b>No. of workers</b>	15	18	27	11	21	17	22

- (i) ₹53.60 (ii) ₹51.60 (iii) ₹51.61 (iv) ₹52.60

A frequency distribution table is given below. Find the mean .

13.	<b>Class-Interval</b>	16 - 23	24 - 31	32 - 39	40 - 47	48 - 55	56 - 63	64 - 71
	<b>Frequency</b>	29	3	44	18	27	36	44

- (i)  $\frac{6331}{134}$  (ii)  $\frac{9496}{201}$  (iii)  $\frac{19393}{402}$  (iv)  $\frac{19795}{402}$  (v)  $\frac{18991}{402}$

A frequency distribution table is given below. Find the mean .

14.	<b>Class-Interval</b>	19 - 26	26 - 33	33 - 40	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75
	<b>Frequency</b>	17	38	41	44	27	11	20	35

- (i)  $\frac{21405}{466}$  (ii)  $\frac{10703}{233}$  (iii)  $\frac{21407}{466}$  (iv)  $\frac{21871}{466}$  (v)  $\frac{22337}{466}$

The following frequency distribution table gives the monthly consumption of electricity of 108 consumers in a locality. Find the mean units.

15.	<b>Monthly consumption (in units)</b>	77 - 87	87 - 97	97 - 107	107 - 117	117 - 127	127 - 137	137 - 147
	<b>No. of consumers</b>	7	14	20	22	14	20	11

- (i)  $\frac{341}{3}$  units (ii) 114 units (iii)  $\frac{347}{3}$  units (iv)  $\frac{344}{3}$  units (v)  $\frac{343}{3}$  units

The following frequency distribution table gives the monthly consumption of electricity of 119 consumers in a locality. Find the median units.

16.

Monthly consumption (in units)	58 - 68	68 - 78	78 - 88	88 - 98	98 - 108	108 - 118	118 - 128
No. of consumers	25	23	15	7	7	19	23

- (i)  $\frac{259}{3}$  units (ii)  $\frac{257}{3}$  units (iii) 86 units (iv)  $\frac{260}{3}$  units (v)  $\frac{263}{3}$  units

If the mean of the following frequency distribution is  $6\frac{3}{19}$ ,

find the value of 'x'.

17.

Value	Frequency
1	2
2	3
3	x
4	2
5	5
6	2
7	2
8	2
9	3
10	2
11	4
12	3

- (i) 8 (ii) 9 (iii) 11 (iv) 7 (v) 5

The heights of 48 pupils in a school are given below. Calculate the mean height correct to 2 decimal places.

18.

Height (in cm)	less than 131	less than 141	less than 151	less than 161	less than 171	less than 181	less than 191
No. of pupils	5	14	18	30	35	40	48

- (i) 158.42 cm (ii) 170.42 cm (iii) 156.42 cm (iv) 153.42 cm (v) 131.42 cm

The daily wage of 44 workers of a factory is given below. Calculate the mean wage correct to 2 decimal places.

19.

Daily income (in Rs)	less than 110	less than 120	less than 130	less than 140	less than 150	less than 160
No. of workers	5	12	20	30	39	44

- (i) ₹130.91 (ii) ₹117.91 (iii) ₹114.91 (iv) ₹146.91 (v) ₹155.91

The marks obtained by 43 students of a class in an examination is given below. Calculate the mean mark correct to 2 decimal places.

20.

Marks	less than 20	less than 30	less than 40	less than 50	less than 60	less than 70	less than 80
No. of students	7	12	18	24	29	35	43

- (i) 50.93 (ii) 40.93 (iii) 42.93 (iv) 48.93 (v) 45.93

The production yield in kg per hectare of wheat of 41 farms of a village is given below. Calculate the mean yield correct to 2 decimal places.

21.

Production yield (in kg/ha)	less than 70	less than 75	less than 80	less than 85	less than 90	less than 95
Number of farms	7	13	23	29	35	41

- (i) 74.45 (ii) 76.45 (iii) 79.45 (iv) 84.45 (v) 82.45

## Assignment Key

1) (v)	2) (iv)	3) (iii)	4) (i)	5) (iv)	6) (v)
7) (i)	8) (ii)	9) (v)	10) (ii)	11) (iv)	12) (ii)
13) (v)	14) (i)	15) (i)	16) (ii)	17) (i)	18) (iii)
19) (i)	20) (v)	21) (iii)			