

EduSahara™ Learning Center Assignment

Grade : Class VIII, ICSE

Chapter : Statistics

Name : Mean of Frequency Distribution

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

1.	Height (in cm)	140	151	165	169	170	173	174
	No. of students	7	3	4	2	6	1	2

- (i) $\frac{3997}{25}$ cm (ii) $\frac{3973}{25}$ cm (iii) $\frac{3972}{25}$ cm (iv) $\frac{3974}{25}$ cm (v) $\frac{4022}{25}$ cm

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

2.	Height (in cm)	62	69	76	77	78	84	85	87	92
	No. of plants	5	1	5	3	2	4	4	3	3

- (i) $\frac{2359}{30}$ cm (ii) $\frac{236}{3}$ cm (iii) $\frac{2389}{30}$ cm (iv) $\frac{2419}{30}$ cm (v) $\frac{787}{10}$ cm

Ages of 30 students are given below. Find the mean.

3.	Age (in years)	10	11	12	13	14	15
	No. of students	5	4	4	4	8	5

- (i) $\frac{129}{10}$ years (ii) $\frac{147}{10}$ years (iii) $\frac{127}{10}$ years (iv) $\frac{64}{5}$ years (v) $\frac{137}{10}$ years

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

4.	Score	73	78	80	83	84	86	90
	No. of students	2	1	1	2	2	1	1

- (i) $\frac{409}{5}$ (ii) $\frac{408}{5}$ (iii) $\frac{417}{5}$ (iv) $\frac{412}{5}$ (v) $\frac{407}{5}$

Rainfall of 10 days are given below. Find the mean.

5.	Rainfall (in mm)	5	7	10	11	12	13	15
	No. of days	1	1	2	2	2	1	1

- (i) $\frac{53}{5}$ mm (ii) 11 mm (iii) $\frac{54}{5}$ mm (iv) $\frac{58}{5}$ mm (v) $\frac{63}{5}$ mm

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

Temperature (in degree C)	27	30	31	32	34	35
No. of days	4	5	3	4	2	2

- (i) $\frac{619}{20}^{\circ}\text{C}$ (ii) $\frac{637}{20}^{\circ}\text{C}$ (iii) $\frac{617}{20}^{\circ}\text{C}$ (iv) $\frac{657}{20}^{\circ}\text{C}$ (v) $\frac{309}{10}^{\circ}\text{C}$

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

7.

Weight (in kg)	47	49	52	58
No. of students	1	2	2	5

- (i) $\frac{549}{10}$ kg (ii) 54 kg (iii) $\frac{541}{10}$ kg (iv) $\frac{559}{10}$ kg (v) $\frac{539}{10}$ kg

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

8.

Wage (in rupees)	306	321	340	392	402	415	437	481	488
No. of labourers	2	1	1	3	3	5	3	4	3

- (i) ₹ 417.16 (ii) ₹ 418.16 (iii) ₹ 419.16 (iv) ₹ 417.24 (v) ₹ 417.20

If the mean of the following frequency distribution is $8\frac{9}{11}$,
find the value of 'x'.

9.

Value	Frequency
5	6
6	6
7	2
8	2
9	3
10	3
11	2
12	4
13	x
14	3

- (i) 2 (ii) -1 (iii) 3 (iv) 5 (v) 1

If the sum of the following frequency distribution is 32,
find the value of 'x'.

10.

Value	Frequency
3	3

5	5
6	2
7	2
8	x
9	4
10	4
11	4
12	6

(i) 3 (ii) 2 (iii) 0 (iv) 5 (v) 1

Assignment Key

- 1) (iii)
- 2) (i)
- 3) (iii)
- 4) (v)
- 5) (i)
- 6) (iii)
- 7) (v)
- 8) (i)
- 9) (i)
- 10) (ii)