

EduSahara™ Learning Center Assignment

Grade : Class VII, ICSE

Chapter : Statistics

Name : Mean of Frequency Distribution

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

1.	Height (in cm)	129	131	135	141	145	147	152	159	163	165	175
	No. of students	4	4	1	4	1	3	4	3	4	1	1

- (i) $\frac{2231}{15}$ cm (ii) $\frac{2216}{15}$ cm (iii) $\frac{734}{5}$ cm (iv) $\frac{2203}{15}$ cm (v) $\frac{2201}{15}$ cm

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

2.	Height (in cm)	61	62	64	69	71	81	82
	No. of plants	4	1	1	3	7	5	4

- (i) $\frac{1809}{25}$ cm (ii) $\frac{1808}{25}$ cm (iii) $\frac{1857}{25}$ cm (iv) $\frac{1807}{25}$ cm (v) $\frac{1832}{25}$ cm

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

3.	Age (in years)	10	11	12	13	14	15
	No. of students	5	1	1	2	5	6

- (i) 13 years (ii) $\frac{259}{20}$ years (iii) $\frac{299}{20}$ years (iv) $\frac{279}{20}$ years (v) $\frac{261}{20}$ years

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

4.	Score	72	74	79	82	86
	No. of students	1	1	2	3	3

- (i) 81 (ii) $\frac{404}{5}$ (iii) $\frac{409}{5}$ (iv) $\frac{406}{5}$ (v) $\frac{414}{5}$

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

5.	Rainfall (in mm)	6	7	8	9	11	12	13	14
	No. of days	2	1	1	3	3	4	3	3

- (i) $\frac{56}{5}$ mm (ii) $\frac{54}{5}$ mm (iii) $\frac{64}{5}$ mm (iv) 11 mm (v) $\frac{59}{5}$ mm

6. Temperatures of 30 days are given below. Find the mean.

Temperature (in degree C)	25	26	27	28	29	30	31	32	33	34	35
No. of days	3	4	4	2	2	1	2	2	3	4	3

- (i) 30°C (ii) $\frac{299}{10}^{\circ}\text{C}$ (iii) $\frac{309}{10}^{\circ}\text{C}$ (iv) $\frac{319}{10}^{\circ}\text{C}$ (v) $\frac{301}{10}^{\circ}\text{C}$
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Weights of 25 students are given below. Find the mean.

7.

Weight (in kg)	40	45	47	48	51	55	59
No. of students	5	4	4	5	2	3	2

- (i) $\frac{1218}{25}$ kg (ii) $\frac{1193}{25}$ kg (iii) $\frac{1243}{25}$ kg (iv) $\frac{1194}{25}$ kg (v) $\frac{239}{5}$ kg
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Wages of 30 labourers are given below. Find the mean.

8.

Wage (in rupees)	310	327	340	383	395	403	406	426	468
No. of labourers	4	3	2	6	3	4	2	3	3

- (i) ₹ 382.00 (ii) ₹ 385.00 (iii) ₹ 381.00 (iv) ₹ 383.00 (v) ₹ 384.00
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If the sum of the following frequency distribution is 29 ,
find the value of 'x'.

9.

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

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

If the mean of the following frequency distribution is $6\frac{1}{7}$,
find the value of 'x'.

10.

Value	Frequency
1	3
2	1
3	3

4	1
5	x
6	1
7	2
9	4
10	5

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

Assignment Key

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