EduSahara™ Assignment

Name : Mean of Frequency Distribution

Chapter : Statistics

Grade : ICSE Grade VII

1. Heights of 20 students are given below. Find the mean.

Height (in cm)	125	127	133	134	135	149	151	153	169
No. of students	1	1	4	1	1	4	5	1	2

(i) 145 cm (ii) $\frac{587}{4}$ cm (iii) $\frac{579}{4}$ cm (iv) $\frac{581}{4}$ cm (v) $\frac{583}{4}$ cm

2. Heights of 20 plants are given below. Find the mean.

Height (in cm)	53	56	71	76	80	84	100
No. of plants	2	5	2	2	3	5	1

(i) 73 cm (ii) 74 cm (iii) 71 cm (iv) 70 cm (v) 72 cm

3. Ages of 25 students are given below. Find the mean.

Age (in years)	10	11	12	13	14	15
No. of students	5	4	5	5	4	2

(i) $\frac{63}{5}$ years (ii) $\frac{66}{5}$ years (iii) $\frac{62}{5}$ years (iv) $\frac{71}{5}$ years (v) $\frac{61}{5}$ years

4. Scores of 30 students are given below. Find the mean.

Score	73	75	78	79	82	83	84	90
No. of students	1	1	1	8	4	6	4	5

(i) $\frac{253}{3}$ (ii) 83 (iii) $\frac{250}{3}$ (iv) $\frac{248}{3}$ (v) $\frac{247}{3}$

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

Rainfall (in mm)	5	6	9	10	11	12
No. of days	1	2	2	1	2	2

(i) $\frac{93}{10}$ mm (ii) $\frac{91}{10}$ mm (iii) $\frac{111}{10}$ mm (iv) $\frac{101}{10}$ mm (v) $\frac{46}{5}$ mm

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

Temperature (in degree C)	25	26	29	30	31	32	33	35
No. of days	4	3	2	2	1	2	5	1

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

7. Weights of 20 students are given below. Find the mean.

Weight (in kg)	40	45	46	48	49	52	54	59
No. of students	3	2	1	2	2	3	3	4

(i) $\frac{253}{5}$ kg (ii) $\frac{251}{5}$ kg (iii) $\frac{252}{5}$ kg (iv) $\frac{256}{5}$ kg (v) $\frac{261}{5}$ kg

8. Wages of 15 labourers are given below. Find the mean.

Wage (in rupees)	303	311	331	333	339	343	379	405
No. of labourers	1	2	1	3	1	2	2	3

(i) ₹350.60 (ii) ₹352.20 (iii) ₹351.20 (iv) ₹350.40 (v) ₹350.20

9. If the sum of the following frequency distribution is 25 , find the value of 'x'.

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

(i) 4 (ii) 1 (iii) 7 (iv) 5 (v) 3

10. If the mean of the following frequency distribution is $7\frac{3}{31}$, find the value of 'x'.

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

(i) 5 (ii) 3 (iii) 7 (iv) 4 (v) 2

Assignment Key

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