EduSahara™ Assignment

Name : Mean of Frequency Distribution

Chapter : Statistics

Grade : ICSE Grade VIII

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1. Heights of 15 students are given below. Find the mean.

Height (in cm)	126	128	132	141	147	151	154	168	171
No. of students	1	3	2	1	1	2	2	1	2

(i) $\frac{2212}{15}$ cm (ii) $\frac{2182}{15}$ cm (iii) $\frac{2197}{15}$ cm (iv) $\frac{2183}{15}$ cm (v) $\frac{728}{5}$ cm

2. Heights of 10 plants are given below. Find the mean.

Height (in cm)	51	53	61	71	83
No. of plants	3	2	1	2	2

(i) $\frac{316}{5}$ cm (ii) $\frac{319}{5}$ cm (iii) 63 cm (iv) $\frac{324}{5}$ cm (v) $\frac{314}{5}$ cm

3. Ages of 10 students are given below. Find the mean.

Age (in years)	11	12	14	15
No. of students	2	3	2	3

(i) $\frac{151}{10}$ years (ii) $\frac{133}{10}$ years (iii) $\frac{66}{5}$ years (iv) $\frac{131}{10}$ years (v) $\frac{141}{10}$ years

4. Scores of 25 students are given below. Find the mean.

Score	71	72	75	83	87	90
No. of students	2	8	1	7	6	1

(i) $\frac{2011}{25}$ (ii) $\frac{1988}{25}$ (iii) $\frac{1986}{25}$ (iv) $\frac{2036}{25}$ (v) $\frac{1987}{25}$

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

Rainfall (in mm)	5	6	7	8	9	10	11	12	13	14
No. of days	2	1	1	2	1	3	3	3	3	1

(i) 9 mm (ii) 12 mm (iii) 10 mm (iv) 11 mm (v) 8 mm

6. Temperatures of 25 days are given below. Find the mean.

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

(i) $\frac{782}{25}$ °C (ii) $\frac{758}{25}$ °C (iii) $\frac{807}{25}$ °C (iv) $\frac{757}{25}$ °C (v) $\frac{759}{25}$ °C

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

Weight (in kg)	41	46	49	52	53	57	60
No. of students	1	3	1	1	1	2	1

(i) $\frac{517}{10}$ kg (ii) $\frac{254}{5}$ kg (iii) $\frac{507}{10}$ kg (iv) $\frac{527}{10}$ kg (v) $\frac{509}{10}$ kg

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

Wage (in rupees)	307	325	327	342	343	369	378	395	398	438	471	486
No. of labourers	1	1	4	2	2	1	3	1	4	1	3	2

(i) ₹385.00 (ii) ₹384.92 (iii) ₹384.96 (iv) ₹385.92 (v) ₹386.92

9. If the mean of the following frequency distribution is $7\frac{13}{20}$,

find the value of 'x'.

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

(i) 2 (ii) 7 (iii) 6 (iv) 5 (v) 4

10. If the sum of the following frequency distribution is 40,
find the value of 'x'.

Value	**Frequency**
5	4
6	7
7	5
8	1
9	3
10	3
11	6
12	x
13	7

(i) 6 (ii) 3 (iii) 4 (iv) 5 (v) 1

Assignment Key

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

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