EduSahara™ Assignment

Name : Mean of Grouped Data

Chapter : Measures of Central Tendency

Grade : ICSE Grade X

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

Height (in cm)	129	130	142	145	156	174
No. of students	2	1	2	5	3	2

(i) $\frac{2228}{15}$ cm (ii) $\frac{2243}{15}$ cm (iii) $\frac{443}{3}$ cm (iv) $\frac{738}{5}$ cm (v) $\frac{2213}{15}$ cm

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

Height (in cm)	56	64	73	80	82	85	95	96
No. of plants	1	3	4	5	2	1	2	2

(i) $\frac{1591}{20}$ cm (ii) $\frac{1571}{20}$ cm (iii) $\frac{393}{5}$ cm (iv) $\frac{1611}{20}$ cm (v) $\frac{1573}{20}$ cm

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

Age (in years)	10	11	12	13	14	15
No. of students	2	4	2	3	3	1

(i) $\frac{214}{15}$ years (ii) $\frac{62}{5}$ years (iii) $\frac{184}{15}$ years (iv) $\frac{199}{15}$ years (v) $\frac{37}{3}$ years

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

Score	70	74	78	80	83	84	86
No. of students	3	1	1	1	1	2	1

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

5. Rainfall of 30 days are given below. Find the mean.

Rainfall (in mm)	5	6	7	8	9	10	11	12	13	14	15
No. of days	5	4	4	1	4	1	2	2	1	3	3

(i) $\frac{307}{30}$ mm (ii) $\frac{337}{30}$ mm (iii) $\frac{139}{15}$ mm (iv) $\frac{277}{30}$ mm (v) $\frac{93}{10}$ mm

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

Temperature (in degree C)	25	26	28	29	30	31	32	33	34	35
No. of days	1	7	1	3	2	2	1	1	1	1

(i) $\frac{291}{10}$ °C (ii) $\frac{299}{10}$ °C (iii) $\frac{289}{10}$ °C (iv) $\frac{309}{10}$ °C (v) 29 °C

7. Weights of 25 students are given below. Find the mean.

Weight (in kg)	43	44	46	50	51	52	53	56	57
No. of students	2	2	5	1	6	3	1	1	4

(i) $\frac{1278}{25}$ kg (ii) $\frac{1254}{25}$ kg (iii) $\frac{1253}{25}$ kg (iv) $\frac{251}{5}$ kg (v) $\frac{1303}{25}$ kg

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

Wage (in rupees)	303	352	369	378	454	455	458	474	486
No. of labourers	2	3	2	1	1	1	3	1	1

(i) ₹403.40 (ii) ₹402.40 (iii) ₹401.60 (iv) ₹401.40 (v) ₹401.80

9. The following table shows the weights of 83 persons in a group. Find the mean weight.

Weight (in kg)	40 - 47	48 - 55	56 - 63	64 - 71	72 - 79	80 - 87
No. of persons	15	18	13	13	5	19

(i) $\frac{10721}{166}$ kg (ii) $\frac{10389}{166}$ kg (iii) $\frac{5195}{83}$ kg (iv) $\frac{10391}{166}$ kg (v) $\frac{10555}{166}$ kg

10. The following table shows the weights of 116 persons in a group. Find the mean weight.

Weight (in kg)	10 - 17	17 - 24	24 - 31	31 - 38	38 - 45	45 - 52	52 - 59	59 - 66
No. of persons	18	14	17	11	6	18	15	17

(i) $\frac{2313}{58}$ kg (ii) $\frac{2197}{58}$ kg (iii) $\frac{1099}{29}$ kg (iv) $\frac{2255}{58}$ kg (v) $\frac{2199}{58}$ kg

11. The daily wages of 109 workers in a factory are given below. Find the mean wage.

Wage (in rupees)	30 - 36	37 - 43	44 - 50	51 - 57	58 - 64
No. of workers	15	22	24	29	19

(i) ₹47.97 (ii) ₹49.96 (iii) ₹47.96 (iv) ₹48.96 (v) ₹47.98

12. The daily wages of 74 workers in a factory are given below. Find the mean wage.

Wage (in rupees)	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65
No. of workers	5	8	26	29	6

(i) ₹49.68 (ii) ₹49.73 (iii) ₹51.68 (iv) ₹50.68 (v) ₹49.70

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

Class-Interval	8 - 14	15 - 21	22 - 28	29 - 35	36 - 42	43 - 49	50 - 56	57 - 63
Frequency	8	26	7	44	5	34	32	23

(i) $\frac{7332}{179}$ (ii) $\frac{6975}{179}$ (iii) $\frac{6976}{179}$ (iv) $\frac{6974}{179}$ (v) $\frac{7153}{179}$

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

Class-Interval	10 - 18	18 - 26	26 - 34	34 - 42	42 - 50	50 - 58	58 - 66	66 - 74
Frequency	34	23	12	21	49	1	40	34

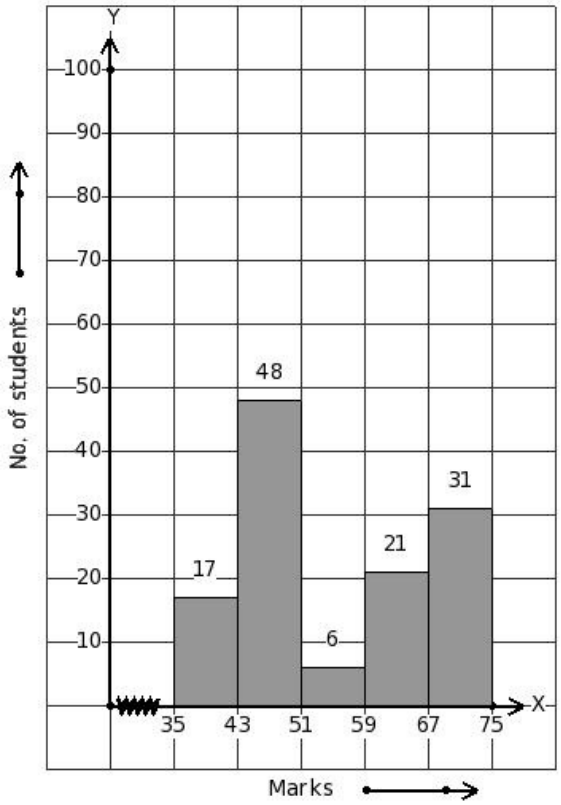
(i) $\frac{4868}{107}$ (ii) $\frac{4655}{107}$ (iii) $\frac{4656}{107}$ (iv) $\frac{4761}{107}$ (v) $\frac{4654}{107}$

15. The following frequency distribution table gives the monthly consumption of electricity of 61 consumers in a locality. Find the mean units.

Monthly consumption (in units)	67 - 77	77 - 87	87 - 97	97 - 107	107 - 117
No. of consumers	6	18	12	17	8

(i) $\frac{5644}{61}$ units (ii) $\frac{5643}{61}$ units (iii) $\frac{5642}{61}$ units (iv) $\frac{5703}{61}$ units (v) $\frac{5764}{61}$ units

16. The histogram given below represents the marks obtained by some candidates in an examination. Using data in the diagram, calculate the mean marks.



(i) 53.07 (ii) 55.07 (iii) 54.07 (iv) 56.07 (v) 57.07

Assignment Key

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