EduSahara™ Assignment

Name : Mean of Grouped Data

Chapter : Statistics

Grade : ICSE Grade VIII

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1. The daily wages of 183 workers in a factory are given below. Find the mean wage.

Wage (in rupees)	20 - 29	29 - 38	38 - 47	47 - 56	56 - 65	65 - 74	74 - 83	83 - 92
No. of workers	29	20	28	15	21	22	21	27

(i) ₹55.48 (ii) ₹55.50 (iii) ₹55.49 (iv) ₹56.48 (v) ₹57.48

2. The following table shows the weights of 76 persons in a group. Find the mean weight.

Weight (in kg)	30 - 38	39 - 47	48 - 56	57 - 65	66 - 74	75 - 83
No. of persons	15	9	8	15	11	18

(i) $\frac{1106}{19}$ kg (ii) $\frac{1105}{19}$ kg (iii) $\frac{1143}{19}$ kg (iv) $\frac{1107}{19}$ kg (v) $\frac{1124}{19}$ kg

3. The following table shows the weights of 81 persons in a group. Find the mean weight.

Weight (in kg)	50 - 56	56 - 62	62 - 68	68 - 74	74 - 80
No. of persons	19	10	18	18	16

(i) $\frac{587}{9}$ kg (ii) $\frac{1759}{27}$ kg (iii) $\frac{1786}{27}$ kg (iv) $\frac{1760}{27}$ kg (v) $\frac{1813}{27}$ kg

4. The daily wages of 131 workers in a factory are given below. Find the mean wage.

Wage (in rupees)	30 - 39	40 - 49	50 - 59	60 - 69	70 - 79	80 - 89
No. of workers	19	12	26	19	29	26

(i) ₹63.52 (ii) ₹64.52 (iii) ₹62.52

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

Class-Interval	15 - 21	22 - 28	29 - 35	36 - 42	43 - 49
Frequency	42	25	8	3	22

(i) $\frac{1483}{50}$ (ii) $\frac{692}{25}$ (iii) $\frac{277}{10}$ (iv) $\frac{1433}{50}$ (v) $\frac{1383}{50}$

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

Class-Interval	6 - 12	12 - 18	18 - 24	24 - 30	30 - 36	36 - 42
Frequency	38	20	19	3	18	43

(i) $\frac{1131}{47}$ (ii) $\frac{1178}{47}$ (iii) $\frac{1225}{47}$ (iv) $\frac{1132}{47}$ (v) $\frac{1133}{47}$

7. The following frequency distribution table gives the monthly consumption of electricity of 60 consumers in a locality. Find the mean units.

Monthly consumption (in units)	48 - 58	58 - 68	68 - 78	78 - 88	88 - 98
No. of consumers	9	18	16	8	9

(i) $\frac{215}{3}$ units (ii) $\frac{220}{3}$ units (iii) $\frac{214}{3}$ units (iv) $\frac{217}{3}$ units (v) 72 units

Assignment Key

1) (i)	2) (ii)	3) (ii)	4) (iii)	5) (v)	6) (i)
7) (iii)					

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