

EduSahara™ Learning Center Assignment**Grade : Class X, SSC****Chapter : Statistics****Name : Median of Grouped Data**

The following table shows the weights of 75 persons in a group.

Find the median weight.

1.

Weight (in kg)	40 - 50	51 - 61	62 - 72	73 - 83	84 - 94	95 - 105
No. of persons	14	20	20	7	6	8

- (i) $\frac{1269}{20}$ kg (ii) $\frac{2539}{40}$ kg (iii) $\frac{2537}{40}$ kg (iv) $\frac{2577}{40}$ kg (v) $\frac{2617}{40}$ kg

The following table shows the weights of 108 persons in a group.

Find the median weight.

2.

Weight (in kg)	40 - 50	50 - 60	60 - 70	70 - 80	80 - 90	90 - 100	100 - 110
No. of persons	14	5	19	20	18	13	19

- (i) 77 kg (ii) 78 kg (iii) 80 kg (iv) 76 kg (v) 79 kg

The daily wages of 81 workers in a factory are given below.

Find the median wage.

3.

Wage (in rupees)	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69
No. of workers	12	11	13	24	21

- (i) ₹ 53.38 (ii) ₹ 51.62 (iii) ₹ 51.50 (iv) ₹ 51.38 (v) ₹ 52.38

The daily wages of 139 workers in a factory are given below.

Find the median wage.

4.

Wage (in rupees)	20 - 29	29 - 38	38 - 47	47 - 56	56 - 65	65 - 74	74 - 83	83 - 92
No. of workers	7	15	28	25	10	10	26	18

- (i) ₹ 54.02 (ii) ₹ 54.06 (iii) ₹ 56.02 (iv) ₹ 55.02 (v) ₹ 54.04

A frequency distribution table is given below.

Find the median .

5.

Class-Interval	10 - 15	16 - 21	22 - 27	28 - 33	34 - 39
Frequency	23	4	21	50	42

- (i) $\frac{1557}{50}$ (ii) $\frac{1507}{50}$ (iii) $\frac{754}{25}$ (iv) $\frac{1607}{50}$ (v) $\frac{1509}{50}$

6. A frequency distribution table is given below.

Find the median .

Class-Interval	16 - 26	26 - 36	36 - 46	46 - 56	56 - 66
Frequency	10	3	16	46	45

(i) $\frac{1259}{23}$ (ii) $\frac{1213}{23}$ (iii) $\frac{1214}{23}$ (iv) $\frac{1236}{23}$ (v) $\frac{1215}{23}$

The following frequency distribution table gives

the monthly consumption of electricity of 93 consumers in a locality.

7. Find the median units.

Monthly consumption (in units)	42 - 52	52 - 62	62 - 72	72 - 82	82 - 92	92 - 102
No. of consumers	12	18	23	13	21	6

(i) $\frac{1593}{23}$ units (ii) $\frac{1637}{23}$ units (iii) $\frac{1614}{23}$ units (iv) $\frac{1592}{23}$ units (v) $\frac{1591}{23}$ units

Assignment Key

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