



The following table shows the weights of 86 persons in a group. Find the median weight.

1.	<b>Weight (in kg)</b>	20 - 27	28 - 35	36 - 43	44 - 51	52 - 59	60 - 67	68 - 75	76 - 83
	<b>No. of persons</b>	14	9	6	17	8	12	6	14

- (i)  $\frac{1737}{34}$  kg (ii)  $\frac{1703}{34}$  kg (iii)  $\frac{1705}{34}$  kg (iv)  $\frac{1771}{34}$  kg (v)  $\frac{852}{17}$  kg

The following table shows the weights of 49 persons in a group. Find the median weight.

2.	<b>Weight (in kg)</b>	10 - 16	16 - 22	22 - 28	28 - 34	34 - 40
	<b>No. of persons</b>	10	8	13	12	6

- (i) 26 kg (ii) 24 kg (iii) 25 kg (iv) 23 kg (v) 27 kg

The daily wages of 160 workers in a factory are given below. Find the median wage.

3.	<b>Wage (in rupees)</b>	30 - 36	37 - 43	44 - 50	51 - 57	58 - 64	65 - 71	72 - 78	79 - 85
	<b>No. of workers</b>	21	23	8	14	21	24	25	24

- (i) ₹62.50 (ii) ₹64.17 (iii) ₹63.17 (iv) ₹62.17 (v) ₹62.33

The daily wages of 125 workers in a factory are given below. Find the median wage.

4.	<b>Wage (in rupees)</b>	30 - 38	38 - 46	46 - 54	54 - 62	62 - 70	70 - 78	78 - 86	86 - 94
	<b>No. of workers</b>	10	19	18	14	9	9	29	17

- (i) ₹64.33 (ii) ₹63.67 (iii) ₹64.00 (iv) ₹65.33 (v) ₹63.33

A frequency distribution table is given below. Find the median .

5.	<b>Class-Interval</b>	11 - 17	18 - 24	25 - 31	32 - 38	39 - 45	46 - 52	53 - 59	60 - 66
	<b>Frequency</b>	42	17	18	33	31	31	4	10

- (i)  $\frac{2305}{66}$  (ii)  $\frac{384}{11}$  (iii)  $\frac{2435}{66}$  (iv)  $\frac{2303}{66}$  (v)  $\frac{2369}{66}$

A frequency distribution table is given below. Find the median .

6.	<b>Class-Interval</b>	4 - 12	12 - 20	20 - 28	28 - 36	36 - 44	44 - 52
	<b>Frequency</b>	14	43	22	27	40	32

- (i)  $\frac{863}{27}$  (ii)  $\frac{890}{27}$  (iii)  $\frac{838}{27}$  (iv)  $\frac{836}{27}$  (v) 31

The following frequency distribution table gives the monthly consumption of electricity of 79 consumers in a locality. Find the median units.

7.	<b>Monthly consumption (in units)</b>	49 - 69	69 - 89	89 - 109	109 - 129	129 - 149	149 - 169	169 - 189
	<b>No. of consumers</b>	18	7	9	8	19	9	9

- (i) 123 units (ii)  $\frac{499}{4}$  units (iii)  $\frac{493}{4}$  units (iv)  $\frac{491}{4}$  units (v)  $\frac{495}{4}$  units

## Assignment Key

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1) (ii)

2) (iii)

3) (iv)

4) (v)

5) (iv)

6) (iv)

7) (iv)