

Test: Statistics

**Solve with care: 5 x 4 = 20**

1. Construct Less than & More than cumulative frequency distribution

Age	10-20	20-30	30-40	40-50	50-60	60-70
No. of Patients	60	42	55	70	53	20

2. The table below shows the literary rate (in %) of 35 cities. Find the mean (by using step deviation method) literary rate.

Literacy rate(in %)	45-55	55-65	65-75	75-85	85-95
No. of cities	3	10	11	8	3

3. The following distribution shows the daily pocket allowance of children of a locality. The mean pocket allowance is Rs.18. Find the missing frequency f.

Daily P.E	11-13	13-15	15-17	17-19	19-21	21-23	23-25
No. of children	7	6	9	13	F	5	4

4. If the median of the distribution gives below is 28.5. find the value of x and y.

Class interval	0-10	10-20	20-30	30-40	40-50	50-60	Total
Frequency	5	X	20	15	y	5	60

5. The following table shows the ages of the patients admitted in a hospital during a year:

Age(in years)	5-15	15-25	25-35	35-45	45-55	55-65
No of patients	6	11	21	23	14	5

Find the mode and the mean of the data given above. Compare and interpret the two measure of central tendency.

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No of patients	60	42	55	70	53	20

2. The table below shows the literacy rate (in%) of 35 cities. Find the mean (by using step deviation method) literacy rate.

Literacy method	45-55	55-65	65-75	75-85	85-95
No of cities	3	10	11	8	3

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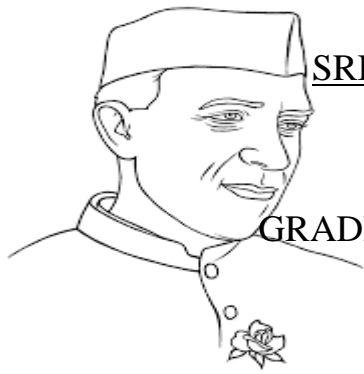
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Find the mode and the mean of the data given above compare and interpret the two measure of central tendency



*Solve the problem which is given below... you can...*

1. Find the mean weight of wrestlers by using assumed mean method.

Weight(kg)	100-110	110-120	120-130	130-140	140-150
No. of workers	4	14	21	8	3

2. Find the mean mileage:

Mileage (Km/l)	10-12	12-14	14-16	16-18
No of cars	7	12	18	13

3. Find the mean percentage of female teachers by all the three methods:

% of female teachers	15-25	25-35	35-45	45-55	55-65	65-75	75-85
No. of states	6	11	7	4	4	2	1

4. Find the modal agriculture holding of the village.

Area of land	1-3	3-5	5-7	7-9	9-11	11-13
No. of families	20	45	80	55	40	12

5. Construct a cumulative frequency distribution (of less than type).

Weight	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-80
No. of persons	4	4	13	5	6	5	2	1

6. Construct Less than & More than cumulative frequency distribution

Age	10-20	20-30	30-40	40-50	50-60	60-70
No.of Patients	60	42	55	70	53	20

7. Compute the median and mode size of holding:

Size	0-5	5-10	10-15	15-20	20-25	<b>25-30</b>	30-35
No.of families	10	15	30	80	40	20	5



We are also children, live in street. Kindly help us to have proper Education.. Save us..



# Worksheet

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No of families	10	15	30	80	40	20	5