Mathematic

Q.1. find the mean of the following frequency distribution: - **Ans. 25.2**

Class	0-10	10-20	20-30	30-40	40-50
Frequency	8	12	10	11	9

Q.2. find the mode of the following data. Ans.52

Class	0-20	20-40	40-60	60-80	
Frequency	15	6	18	10	

Q.3. the mean of the following frequency distribution is 50. Find the value of P. Ans. P = 52

Class	0-20	20-40	40-60	60-80	80-100
Frequency	17	28	32	P	19

Q.4. compute the median. **Ans. 46.5**

Weight in (kg)	Less than 38	Less than 40	Less than 42	Less than 44	Less than 46	Less than 48	Less than 50	Less than 52
Number of student	0	3	5	9	14	28	32	35

Q.5. find the missing frequency (N = 100, median = 32) **Ans. X=9, y= 16**

Marks ob.	0-10	10-20	20-30	30-40	40-50	50-60	Total
No. of student	10	?	25	30	?	10	100

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Q.6. the following table ages of 100 persons of a locality; Ans.34.5 years

Age (year)	Number of persons
0-10	5
10-20	15
20-30	20
30-40	23
40-50	17
50-60	11
60-70	9

Draw the less than ogive and find the median.

Q.7. find the median class and the modal class for the following distribution. Ans. 145-150

Class interval	135-140	140-145	145-150	150-155	155-160	160-165
Frequency	4	7	18	11	6	5

Q.8. write the following distribution as more than type cumulative frequency distribution.

Class interval	50-55	55-60	60-65	65-70	70-75	75-80
Frequency	2	6	8	14	15	5

Q.9.the mean of the following frequency distribution is 25.2 . find the missing frequency x. ans.12

Class interval	0-10	10-20	20-30	30-40	40-50
Frequency	8	X	10	11	9

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Q.10. find the mode. Ans. 39

Class interval	5-15	15-25	25-35	35-45	45-55	55-65	65-75
	2	3	5	7	4	2	2

Q.11. Draw less than ogive for the following distribution and hence obtain the median. Ans. 58.75

Marks obtain	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No. of student	3	4	3	3	4	7	9

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