1. If the mean and median of a unimodal data are 34.5 and 32.5 respectively, then mode of the data is _____.
2. If a mode exceeds a mean by 12, then the mode exceeds median by _____.
3. If mode – median = 2, then median – mean = _____
4. The following table gives the daily income of 50 workers of a factory:

Daily income (in Rs.)	100 – 120	120 – 140	140 – 160	160 – 180	180 – 200
Number of workers:	12	14	8	6	10

Find the mean, mode and median of the above data.

5. Find the mean, median and mode of the following data:

Classes:	0 – 50	50 – 100	100 – 150	150 – 200	200 – 250	250 – 300	300 – 350
Frequency	2	3	5	6	5	3	1

6. The median of the distribution given below is 14.4. Find the values of x and y, if the total frequency is 20.

Class interval	0 – 6	6 – 12	12 – 18	18 – 24	24 – 30
Frequency	4	x	5	y	1

7. The median of the following data is 50. Find the values of p and q, if the sum of all the frequencies is 90.

Marks:	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80	80 – 90
Frequency	p	15	25	20	q	8	10

8. If the median of the distribution given 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
No. of students	5	x	20	15	y	5

9. The median of the following data is 525. Find the values of x and y, if the total frequency is 100.

Class interval	0 – 100	100 – 200	200 – 300	300 – 400	400 – 500	500 – 600	600 – 700	700 – 800	800 – 900	900 – 1000
Frequency	2	5	x	12	17	20	y	9	7	4

10. Compute the median for the following cumulative frequency distribution:

Less than:	20	30	40	50	60	70	80	90	100
Frequency	0	4	16	30	46	66	82	92	100

11. If the mean of the following frequency distribution is 18, find the missing frequency.

Class interval	11 – 13	13 – 15	15 – 17	17 – 19	19 – 21	21 – 23	23 – 25
Frequency	3	6	9	13	f	5	4

12. Find the mean of the following frequency distrubiton:

Classes:	25 – 29	30 – 34	35 – 39	40 – 44	45 – 49	50 – 54	55 – 59

Frequency	14	22	16	6	5	3	4

13. The mean of the following frequency distribution is 62.8 and the sum of all the frequencies is 50. Compute the missing frequency f_1 and f_2.

Class:	0 – 20	20 – 40	40 – 60	60 – 80	80 – 100	100 – 120
Frequency:	5	f_1	10	f_2	7	8

14. If the mean of the following distributions 54, find the value of p:

Class	0 – 20	20 – 40	40 – 60	60 – 80	80 – 100
Frequency	7	p	10	9	13

15. If the mean of the following distribution is 6, find the value of p.

x:	2	4	6	10	p + 5
f:	3	2	3	1	2