

1. The Arithmetic Mean of the frequency distribution is 53. Find the value of P .

Ans. 28

class	0-20	20-40	40-60	60-80	80-100
Frequency	12	15	32	P	13

2. Find the mode:

Ans. 34.54

C.I	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Freq.	5	8	15	20	14	8	5

3. The following table shows the age distribution of cases of certain disease admitted during a year in particular hospital.

Ans. 36.32

Years

Age	No. of cases
5-14	6
15-24	11
24-34	21
35-44	23
45-54	14
55-64	5
Total	80

4. Mean is 50. Find missing frequencies.

C.I	0-20	20-40	40-60	60-80	80-100	Total
Freq.	17	f_1	32	f_2	19	200

Ans. $f_1 = 28$ $f_2 = 24$

5. Find missing frequencies, if $N=100$ and median is 32.
 Ans. 9 and 16

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

6. Find Mean Median and Mode and compare them:
 Ans. 470, 475, 460

Wages	No. of labourers
200-300	3
300-400	5
400-500	20
500-600	10
600-700	6

7. Median is 32.5. Find x and y .
 Ans. $x=3$, $y=6$

C.I	0-10	10-20	20-30	30-40	40-50	50-60	60-70	Total
Freq.	x	5	9	12	y	3	2	40

8. Table gives the height of trees.

Height	No. of Trees
less than 7	26
" " 14	57
" " 21	92
" " 28	134
" " 35	216
" " 42	287
" " 49	341
" " 56	360

Draw less than type and more than type.

9. Daily Income of 50 workers

Income	100-120	120-140	140-160	160-180	180-200
workers	12	14	8	6	10

change it into more than type and draw.

10. Find median

Ans. 64.5

Marks	30-39	40-49	50-59	60-69	70-79	80-89	90-99
Students	5	7	8	10	5	8	7