

CBSE TEST PAPER-02

MATHEMATICS (Class-10)

Chapter : Statistics

- Q1. The given distribution shows the number of runs scored by some top batsman of the world in one day international cricket matches. Find the mode of the data.

RUNS SCORED	NUMBER OF BATSMAN
3000-4000	4
4000-5000	18
5000-6000	9
6000-7000	7
7000-8000	6
8000-9000	3
9000-10000	1
10000-11000	1

- Q2. Give the empirical relation between median, mode and mean.
Q3. If the median of the distribution given below is 28.5. Find the value of 'x' and 'y'.

C.I	FREQUENCY
0-10	5
10-20	x
20-30	20
30-40	15
40-50	y
50-60	5

- Q4. Find the median of the following frequency distribution

MARKS	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800	800-900	900-1000
FREQUENCY	2	5	9	12	17	20	15	9	7	4

- Q5. The median of the following data is 20.75. Find the missing frequencies 'x' and 'y'. If the total frequency is 100.

CI	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
FREQUENCY	7	10	x	13	y	10	14	9

- Q6. If the mean of the following distribution is 6, find the value of 'p'.

X	2	4	6	10	P+6
Y	3	2	3	1	2