



SATISH CHANDRA MEMORIAL SCHOOL

CLASS: IX MATHEMATICS

HOT QUESTIONS (Ch: Statistics)

- Find the range of the following data: 25, 20, 30, 18, 16, 15
(a) 15 (b) 10 (c) 5 (d) 20
- Find the median of the given data: 7, 8, 7, 7, 9, 10, and 13.
(a) 7 (b) 9 (c) 8 (d) 10
- Find the mode of the given data: 7, 9, 11, 13, 9, 13, 9, 9, 7, 8.
(a) 10 (b) 9 (c) 11 (d) 8
- Find the mean of the first five multiples of 3?
(a) 9 (b) 12 (c) 14 (d) None of these
- The mean of 7 observations is 20. If the mean of the first 4 observations is 12 & that of last 4 observations is 28, find the 4th observations?
- If the mean of 5 observations $x, x + 4, x + 8, x + 12, x + 16$ is 13, find the mean of the observations?
- The class marks of the observations are 17, 21, 25, 29, 33, 37, 41, and 45. Find the class intervals.
- Write the class size in each of the following:
(a) 0 – 4, 5 – 9, 10 – 14 (b) 10 – 19, 20 – 29, 30 – 39
- Write class size and class limits in each of the following if the class marks are:
(a) 104, 114, 124, 134, 144, 154 (b) 47, 52, 57, 62, 67, 72, 77
- The monthly wages of 30 workers in a factory are given below:-
830, 835, 890, 810, 835, 836, 869, 894, 898, 890, 820, 860, 832, 833, 855, 845, 804, 808, 812, 840, 885, 835, 836, 878, 840, 868, 890, 806, 840, 890
(a) Form frequency distribution table with class size 10
(b) Find cumulative frequency
(c) Draw histogram and frequency polygon
- The mean of 40 observations was 160. It was detected on rechecking that the value of 165 was wrongly copied as 125 for computation of mean. Find the correct mean.
- The median of the following observations arranged in ascending order, is 25. Find x .
11, 13, 15, 19, $x + 2, x + 4, 30, 35, 39, 46$
- The mean of 16 numbers is 8. If z is added to every number, what will be new mean?

14. For the following data, draw a histogram and a frequency polygon

Marks	0-10	10-20	20-30	30-40	40-50
No of students	5	10	4	6	7

15. If the mean of the following data is 21. Find the value of P

x_i	7	15	28	5	1
f_i	8	20	P	3	2