

SURAJBHAN DAV PUBLIC SCHOOL

CLASS-9 MATHEMATICS

STATISTICS ASSIGNMENT- 2

Q1.If the mean of the data is 13.5 , find p

X	5	10	p	20	25
Y	10	10	10	2	8

Q2. There are 50 students in a class of which 40 are boys and rest are girls.The average weight of the class is 44 kg and the average weight of the girls is 40 kg.Find the average weight of the boys.

Q3. For what value of p ,the mode of the following is 11 ? 11 , 8 , p , 8 , 7 , 6 , 8 , 11, 10 , 11 6 , 8 ,11.

HOTS

Q4.The traffic police recorded the speed ( in km /hr ) of 10 motorists as 47 , 53 , 49 , 60 , 39 , 42 , 55 , 57 , 52 , 48..Later on an error in the recording instrument was found.Find the correct average speed of the motorists if the instrument recorded the speed 5 km / hr less in each case.

Q5. The average score of boys in an examination of a school is 71 and that of girls is 73, the average score of school in the examination is 71.8. Find the ratio of the number of boys to the number of girls appeared in the examination.

Q6. Arun scored 36 marks in English ,44 marks in Hindi , 75 marks in mathematics and x marks in science , if he has scored average of 50 marks, find x.

Q7. A Cricketer has a mean score of 58 runs in nine innings, find out how many runs are to be scored in the tenth innings to raise the mean score to 61.

Q8. The following data have been arranged in ascending order 24 , 27 , 28 , 31 , 34 , x , 37 , 40 , 42 , 45.

If the median of the data is 35 , find x , in the above data if 45 is changed to 33, find the new median.

Q9. The numbers 2 , 3 , 4 , 4 , 2x + 1 , 5 , 5 , 6 and 7 are written in ascending order , if the median is 5, find x . Hence find mode

.Q10. The monthly salaries ( in Rs. ) of 12 employees of a factory are given below find the median.  
3200 , 2350 , 4100 , 3520 , 1980 , 3520 , 2225 , 3750 , 3000 , 4220 , 2000 , 3275.