INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS

12. STATISTICS

Name: _____ Date:_____ Class: IX Sec: ___

1. The class mark of the class 90-130 is _____

2. The width of each of five continuous classes in a frequency distribution is 5 and the lower class-limit of the lowest class is 10. The lower class-limit of the highest class is_____.

3. Let m be the mid-point (class mark) and 1 be the lower class limit of a class in a continuous frequency distribution. The upper class limit of the class is _____

4. The class marks of a frequency distribution are given as follows:
   15, 20, 25,…….
   The class corresponding to the class mark 15 is :
   a) 12.5-17.5 b) 12.5-22.5 c) 10.5-21.5 d) 10.5-20.5

5. To draw a histogram for the following frequency distribution:

Class interval	**5–10**	**10–15**	**15–25**	**25–45**	**45–75**
Frequency	**6**	**12**	**10**	**8**	**15**

   The adjusted frequency for the class 25-45 is _____.

6. Given the class intervals 1 - 10, 11 – 20, 21 – 30,……, then 20 is considered in which class?

7. Draw a histogram for the weekly pocket expenses of 125 students of a school:

Pocket money	0-10	10-20	20-30	30-40	40-70	70-100
No.of students	10	20	10	15	30	40

8. Draw histogram for the following data:

C.I	100-150	150-200	200-300	300-500	500-800
Frequency	60	100	100	80	180

9. Following table gives the distribution of students of sections A and B of a class according to the marks obtained by them. Draw frequency polygons for the given data on the same graph paper.

Section A		Section B	
Marks	Frequency	Marks	Frequency
0-15	5	0-15	3
15-30	12	15-30	16
30-45	28	30-45	25
45-60	30	45-60	27
60-75	35	60-75	40
75-90	13	75-90	10

10. Marks obtained (out of 100) in mathematics by 50 students of class IX are as follows. Represent the data with the help of a histogram.

Marks	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99
No. of students	5	4	3	8	8	6	4	6	4	2