



# INDIAN SCHOOL NIZWA – WORKSHEET

## MATHEMATICS

### CH: 3 : Data Handling

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: VII Sec: \_\_\_\_

Q.1. Fill in the blanks-

- (i) Collection of all the observations is called \_\_\_\_\_.
- (ii) The difference between the highest and the lowest values of the observations in the given data is called its \_\_\_\_\_.
- (iii) \_\_\_\_\_ is calculated by dividing the sum of all the observations by the total number of observations.
- (iv) The \_\_\_\_\_ of a set of observations is the observation that occurs most often.
- (v) \_\_\_\_\_ refers to the value which lies in the middle of the data (when arranged in an increasing or decreasing order).
- (vi) A \_\_\_\_\_ graph is a representation of numbers using bars of uniform widths.

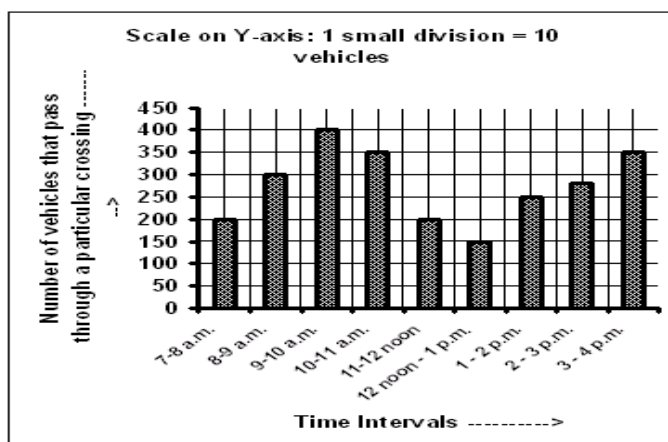
Q.2. Find the **MEAN** of the following:

- (i) 3,5,2,6,5,9,5,2,7,4 and 6
- (ii) First 8 odd numbers.
- (iii) First 10 two digit numbers.
- (iv) First seven multiples of 9.
- (v) 3, -7, 5, -13 and -2.

Q.3. Read the bar graph in figure and answer the following questions:

- (i) What information is given by the bar graph?
- (ii) When is the hourly traffic maximum? Also write the maximum number of vehicles
- (iii) When is the hourly traffic minimum? Also write the minimum number of vehicles.
- (iv) Find the total number of vehicles.

Bar graph shows the number of vehicles passing through a particular road crossing in Delhi





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Q.4. Following data shows the favourite snacks item of different students.

Favourite Snacks	Burger	Finger Chips	Pizza	Sandwich	Garlic bread
Number of Student	43	19	55	49	34

Draw the bar graph of the given data and with the help of the same, answer the following:

- (i) Which is the most preferred and the least preferred snack item?
- (ii) How many items are there in all?
- (iii) How many students consider pizza and burger as their favourite food item?

Q.5. If the mean of 6, 4, 7, p and 10 is 8, find the value of p.

Q.6. What is the median length of the following set of tapes? 12m, 20m, 14m, 24m, 8m, 16m, 14m.

Also find the mode of the above data.

Q.10. Q.11. The mode of 2, 2, 5, 9, 7, 11, 10, 9, 9, 10, 12 and 18 is

(a) 2

(b) 5

(c) 7

(d) 9

