GRADE -8   QUESTION BANK   SUB: MATHEMATICS

CH-6 – DATA HANDLING

Name: ………………………………….   Class: ……………………

MC Q :

1. The range of the data– 9, 8, 4, 3, 2, 1, 6, 4, 8, 10, 12, 15, 4, 3 is

(a) 15   (b) **14**   (c) 12   (d) 10

2. The number of times a particular observation occurs in a data is called

A0 data b) class mark   c) frequency   d) class interval

3) The Data available in an unorganized form is called

(a) Grouped   (b)Primary   (c) Raw data   (d) secondary data

4)To arrange a large amount of data ,they are grouped into various classes to get an idea of distribution which is called

(a) class interval   (b)class mark   (c) class size   (d)frequency

FILL IN THE BLANKS :

a) ………….can be defined as a collection of facts or information.

b) For the class interval 50- 70 , the class size is ………………..

c) For the class interval   50- 70,the lower class mark is   ………………..

d)The number of times a particular observation occurs in a data is called its ……….

e)A table that lists the frequency of occurrences of each observation is called

   a …………………………

f) The mid-value of each class is called its class mark.

Write TRUE/FALSE :

a) The mid-value of each class is called its class mark.

b) in a pie chart, the ………….. displays the size of parts that make up a whole.

c)A pie chart is drawn to compare two quantities having the same units using a single graph.

d)The class mark of the class interval 40-50 is 50 .

ANSWER THE FOLLOWING QUESTIONS ;

1) The top speeds of 30 different land animals have been organized into a frequency table. Draw a

histogram for the given data.

Maximum speed	Frequency
10 - 20	5
20 - 30	5
30 - 40	10
40 - 50	8
50 - 60	0
60 - 70	2

2) Draw the Pie chart for the given information:

ACTIVITY	TIME SPENT (Hrs)
Sleeping	4
School	8
Home work	6
Playing	4
Others	2

3) Draw the Bar Graph for the following data:

Village	Nos Of Borewell (In Hundreds)
MAURANIPUR	4
KATERA	8
RAJGARH	6
SAFA	4
RAMPURA	2

4) Draw a histogram for the following data :

Class interval	30-35	35-40	40-45	45-50	50-55	55-60
frequency	15	40	35	75	38	25

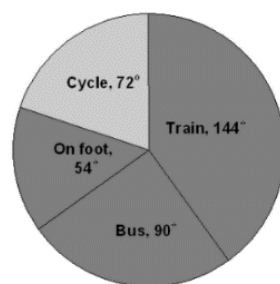5) The height of 35 students measured in cm are given below:

159,156,157,160,162,170,157,158,152,151,162,164,171,154,165,

161,168,150,162,154,170,169,165,168,155,158,156,153,150,170,172,

171,151,153,155.
i) Prepare a frequency table taking class intervals 150 – 155 , 155- 1 60 .

ii) Draw a histogram for the above data given inQno:5 (i)

6) There are 1000 workers who travel from home to factory.

The pie-graph shows the proportion of workers using various mode for traveling to work. Study the pie-graph and answer the questions given below:

How many workers travel to factory

(i) by bus?   (ii) by train?   (iii) by cycle?   (iv) on foot?