



GRADE -8

Work sheet

MATHEMATICS

**CH-6 - Data Handling**

Name:.....

Date:.....

**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 following data:

2, 5, 15, 25, 20, 12, 8, 7, 6, 16, 21, 17, 30, 32, 23, 40, 51, 15, 2, 9, 57, 19,

25 is grouped in the classes 0 -5, 5 -10, 10 -15 etc. Find the frequency of the class 20 -25.

- (a) 5                      (b) 4                      (c) **3**                      (d) 2

3) The Data available in an unorganized form is called

- (a) Grouped                      (b) Primary                      (c) Raw                      (d) None

**FILL IN THE BLANKS :**

a) The difference between the highest value and lowest value of a set of raw data its called its.....

b) For the class interval 20- 30 ,the class size is .....

c) For the class interval 20- 30 ,the lower class limit 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.

g) A .....is used to show the relation ship between a whole and its parts.

**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.

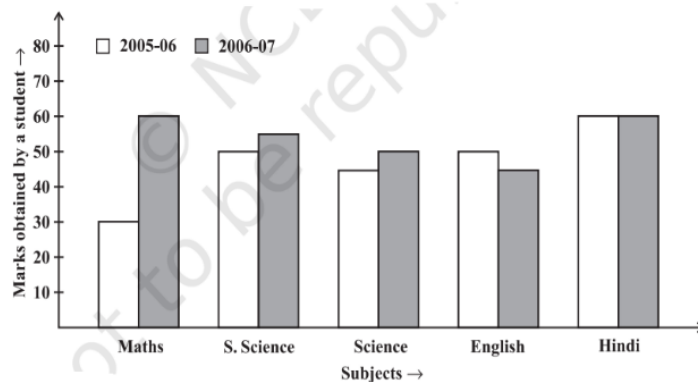
c)A pie chart is drawn to compare two quantities having the same units using a single graph.

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

**ANSWER THE FOLLOWING QUESTIONS ;**

1)A double bar graph as given below shows the performance of a student in two sessions.

Read the above graph, answer the following:



(a) What is the information given by the double bar graph?

(b) In which subject has the performance improved the most?

(c) In which subject has the performance deteriorated?

(d) In which subject is the performance at par

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

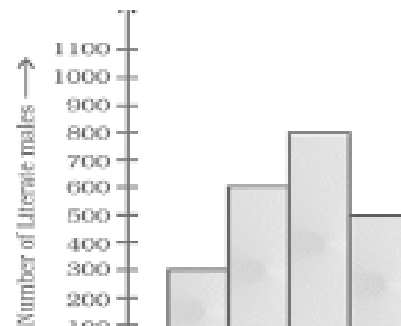
4) Draw a histogram for the following data :

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

5) In a survey of a town of Uttar Pradesh, Hamirpur, 1800 males were surveyed above the age of 20 the information collected was represented by a Histogram as given below.

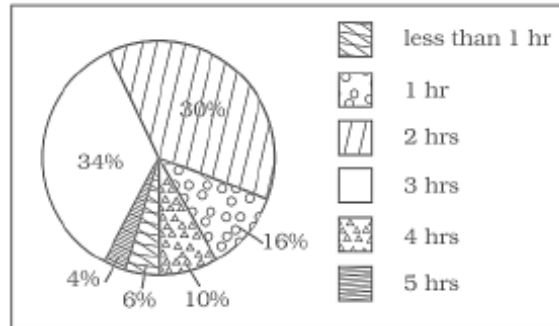
Reading the above graph answer the following

- (a) How many males are literate for the Age groups 10 to 30 years?  
 (b) Which age group has maximum numbers of literate Males?

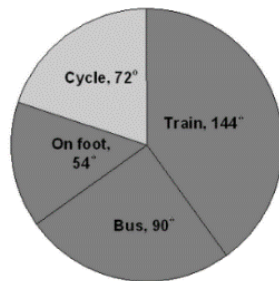


6) Government of India Planned a surveyed in a district of Madhya Pradesh and the Given below is a pie chart showing the time spend by a group of 350 children in different games. Observe it and answer the questions that follows:

- (A) How many children spend at least one hour in playing games?  
 (B) How many children spend more than 2 hours in playing games?



7) There are 1000 workers who travel from home to factory. (4)  
 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?