



# INDIAN SCHOOL DARSAIT

## DEPARTMENT OF MATHEMATICS



Subject : Mathematics	Topic7 :Data Handling	Date of Worksheet : 23/8/17
Resource Person:Mrs. JayalakshmiRatish	Date :	
Name of the Student : _____	Class & Division : VI	Roll Number : __

### Section A - Basic Skills

- 1 Fill in the blanks:
- (a) \_\_\_\_\_ is the collection of numbers or numerical facts with regard to a particular type of information.
  - (b) The numerical data recorded in its original form is called \_\_\_\_\_ data.
  - (c) The number of times a particular observation occurs in the given data is called its \_\_\_\_\_.
  - (d) Arranging data in the form of a table is called \_\_\_\_\_.
- 2 The weight of new born babies (in kg wt) in a hospital on a particular day care as follows:  
2.3 , 2.2 , 2.1 , 2.7 , 2.6 , 3.0 , 2.5 , 2.9 , 2.8 , 3.1 , 2.5 , 2.8 , 2.7 , 2.9 , 2.4
- (a) Rearrange the weights in descending order.
  - (b) Prepare a frequency distribution table.
  - (c) Determine the highest weight.
  - (d) Determine the lowest weight.
  - (e) How many babies were born on that day?
  - (f) How many babies weighted below 2.5 kg wt ?
  - (g) How many babies weighted more than 2.8 kg wt ?
  - (i) How many babies weighted 2.8 kg wt ?

### Section B

- 3 The following data shows the number of matchsticks in 50 boxes.
- 45 47 48 50 50 51 52 51 49 45 52 53 50 53  
54 48 52 54 53 50 50 55 54 51 47 49 53 48  
51 51 51 48 55 52 53 53 47 51 55 52 46 53  
49 51 48 54 50 55 52 47
- (a) Prepare a frequency distribution table.
  - (b) How many boxes have less than 50 matchsticks?
  - (c) How many boxes have equal to or more than 50 matchsticks?
  - (d) What is the highest number of matchsticks in any box?
  - (e) What is the number of matchsticks that is found in the maximum number of boxes?
- 4 In a class test the number of students who obtained various grades are as follows:

Grade	A	B	C	D
No.ofstudents	35	20	10	5

Prepare a pictograph of students using one symbol to represent 5 students and answer the following questions.

- How many symbols represent the number of students who got grade A?
- In the next improvement test, all the students who secured grade C got grade A and all those who had got grade D improved their performance level to grade B. The remaining students maintained their grades. In this test, how many symbols will represent grade A?

5 The following table shows the favourite sports of 200 students of a school:

Sports	Badminton	Tennis	Football	Cricket	Swimming
No. of students	25	45	25	75	30

Represent the data by a bar graph.

6 The air distances of four cities from Delhi (in Km) are as follows.

City	Mumbai	Kolkata	Chennai	Hyderabad
Distance from Delhi (in Km)	1100	1340	1700	1220

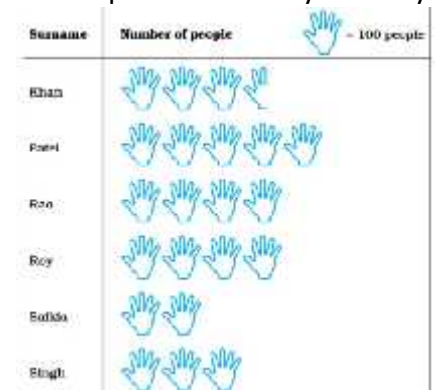
Draw a bar graph to represent the above data.

- Which city out of the four cities is closest to Delhi?
- How much farther is Chennai from Delhi than Hyderabad from Delhi?

7 Following pictograph represents the surnames of people listed in telephone directory of a city-

Answer the following questions-

- How many people have surname Roy?
- Which surname occurs maximum number of times in the directory?
- Which surname occurs least number of times in the directory?
- Which two surnames occur equal number of times?



### Section C- HOTS

8 The following table provides information about the population of some major cities of India (2001 Census). Draw a bar graph to represent this data.

City	Delhi	Mumbai	Kolkata	Ahmedabad	Chennai	Hyderabad	Pune
Population (in millions)	12.8	16.4	13.2	4.5	6.5	5.7	3.8

- Which city has the highest population?
- How much more is Hyderabad's population than Pune's population?
- What is the total population of the seven cities put together?
- Which city has the least population?

