

SESSION : 10
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 17
CHAPTER NAME : DATA HANDLING
**SUBTOPIC : PICTOGRAPH AND TALLY MARKS,
EXAMPLES**

CHANGING YOUR TOMORROW






LEARNING OBJECTIVE

- Enable the students to understand all about the tally marks and pictograph through various examples.

DATA HANDLING

We collect information about various things and people in different forms. The information we collect is known as **data**.



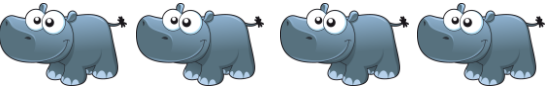


The presentation of collected information in an arranged and sorted way is known as **Data Handling**.

One  represents 10 Trees	
Name	Number of Trees
Apple	
Peach	
Guava	
Pear	

PICTOGRAPH

Pictograph is a way of representing the **numeric data** in the form of pictures.

EXAMPLE : 1 The pictograph shows the number of animals in a zoo. Answer the questions that follow.

Lion	
Tiger	
Hippo	
Deer	
Elephant	

1. Which animal is the maximum in number?

Ans. Deer

2. How many tigers are there?

Ans. 3

3. Which animal is the least in number?

Ans. Lion

4. How many elephants are there?

Ans. 3

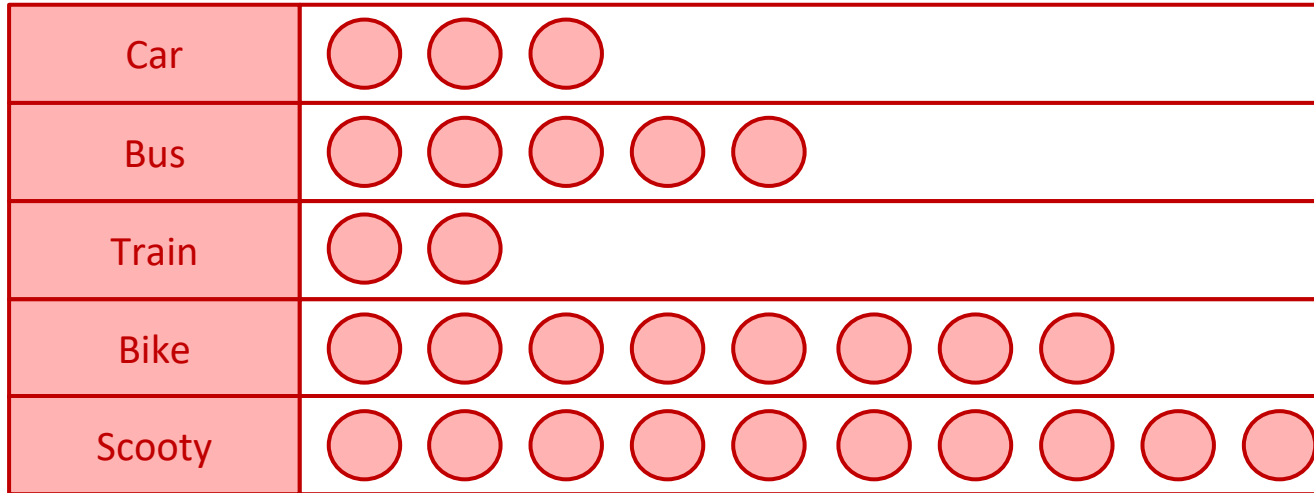
5. How many hippos and deers are there in the

Ans. 11^{zoo?}

DATA HANDLING

PICTOGRAPH

EXAMPLE : 2 People use different personal vehicle and public transport to go to office. The pictograph below the detailed information regarding the means of transport used by the staff of an office. Study the pictograph and answer the question that follow.



Each dot ) represent 10 people.

- a. How many people use public transport? Ans. 70
- b. How many people use car? Ans. 30
- c. Which mode of travelling is the most preferred? Ans. Scooty
- d. Which personal vehicle is preferred the least? Ans. Car
- e. Which public transport is preferred the least? Ans. Train
- f. How many people use scooty? Ans. 100
- g. What is the number of people who use bike and scooty? Ans. 180
- h. How many people in total does the pictograph represent? Ans. 280

DATA HANDLING

TALLY MARKS






Another way of representing a large data is through tally marks. Here, numbers are represented in groups of five by drawing lines.

One vertical line is made for each of the first four numbers and the fifth number is represented by a diagonal line across the previous four vertical lines.

DATA HANDLING

TALLY MARKS

EXAMPLE : 1 There are 40 students in a class. Students have different favourite subjects. The representation below shows the detailed information of the data. Read the data and answer the following questions.

Subject	Number of students liking the subject
English	
Hindi	
Maths	
Computer studies	
Arts	

1. Students' most favourite subject is

· **maths**

2. Students' least favourite subject is

· **Arts**

3. How many students like English?

Ans. 8

4. How many students like Computer Studies?

Ans. 9






5. How many students like Hindi and Arts?

Ans. 11

DATA HANDLING

TALLY MARKS

EXAMPLE : 2 Consider a garden with lots of flowers. Mary has different types of flower pots which are given in the table below:

Names of flower	Number of pots
Rose	
Lily	
Jasmine	
Tulip	
daisy	

1. How many daisy flower pots are there?

Ans. 5

2. Which two flowers have the same number of pots?













Ans. Lily and tulip

3. Which flower has the maximum number of pots?

Ans. Jasmine

DATA HANDLING

The pictograph showing different months of the year and girls of a class who were born in a particular month:

Months	Girls born in a particular month
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

1. How many girls were born in the month of September?

Ans. 8

2. How many girls were born in the month of June?

Ans. 2

3. In which month were the maximum number of girls born?

Ans. October

4. Find the total number of girls in the class.

Ans. 59

5. What is the difference between the number of girls born in the months of October and June?

Ans. 7

LEARNING OUTCOME:

Students are able to understand about the pictograph and tally marks through various examples.

THANKING YOU
ODM EDUCATIONAL GROUP