

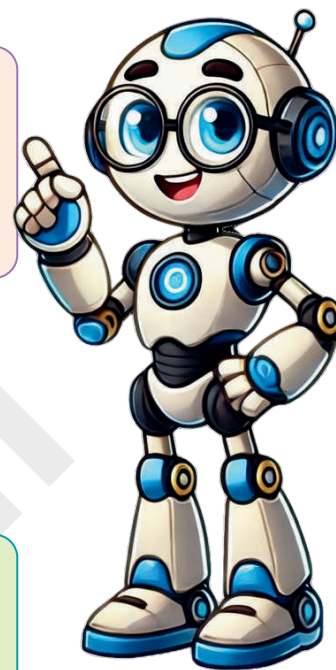
We'll cover the following key points:

→ Representing Data

Do you Remember fundamental concept in previous class:

In class 1st we learnt

→ Picture graphs



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Learning Outcomes

By the end of this chapter, students will be able to:

- Understand what data is and how it is collected (e.g., favorite colors, number of pets).
- Represent data using pictures or symbols (e.g., drawing pictures to show how many students like different fruits).
- Count the number of pictures or symbols in a graph to find the total.
- Use a simple picture graph to show the results of a survey (e.g., how many people like apples).
- Interpret a picture graph to answer questions (e.g., "Which fruit is the most popular?").
- Compare the data in a graph to see which has more or less (e.g., apples vs. bananas).
- Arrange data in a simple chart or table to make it easier to understand.
- Draw conclusions from data (e.g., "The most students like oranges").



Warm Up

Look at the picture of Pari's birthday party. In the table below fill the number of items that you can see in the picture.

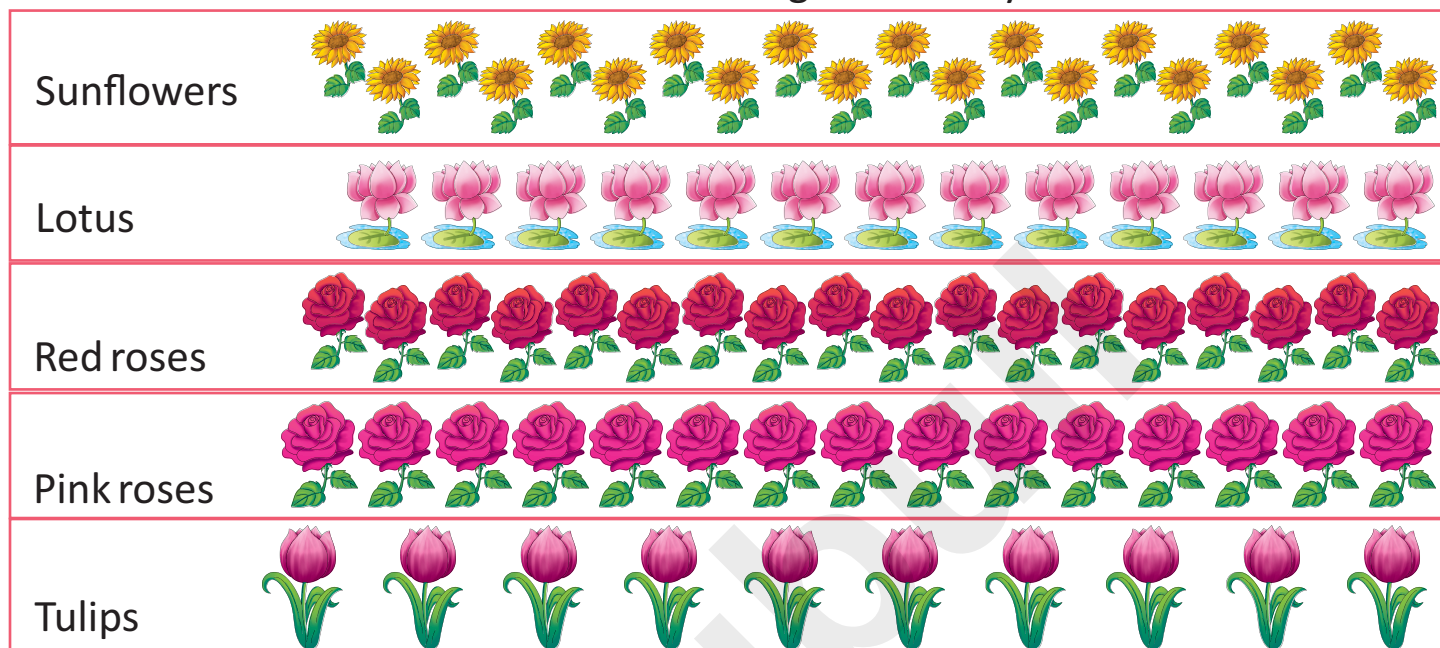


Things	Balloons	Children	Toffees	Apples	Candles	Caps	Gifts
Quantity							

Representing Data

The given information or **data** can be easily expressed in **words**, **symbols**, **graphs** and **pictures**. Collection of information is called **data collection**.

Dinesh and Shivani saw some flowers in the garden. They made a chart.

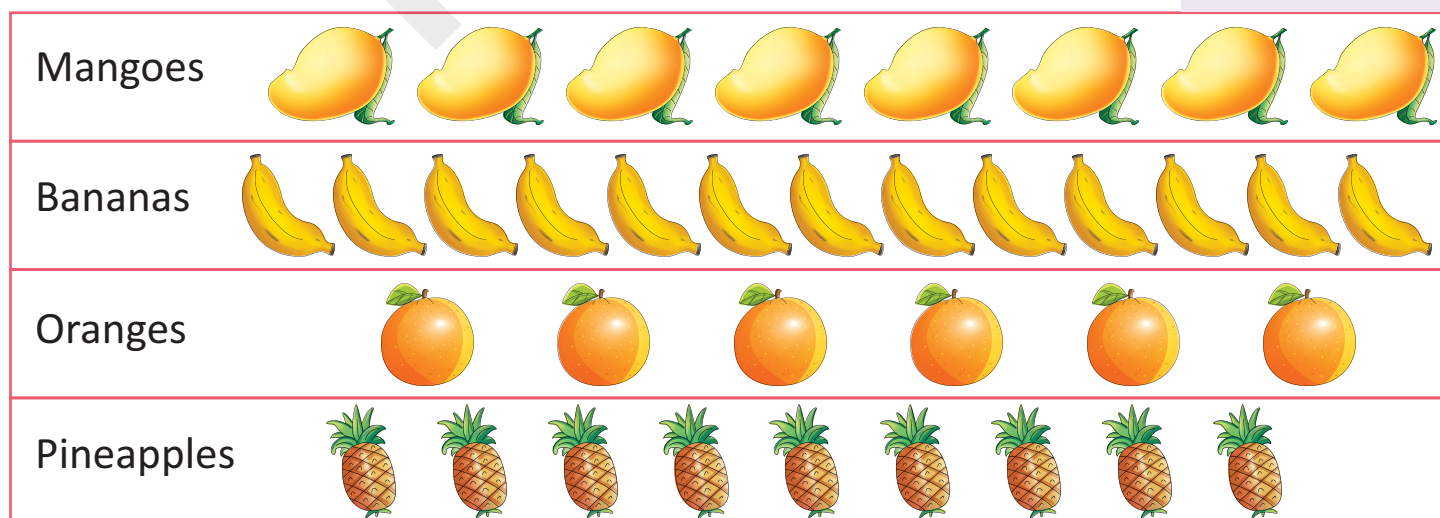


1. Look at the chart and answer the following questions:

- (a) How many pink roses did they see? _____
- (b) How many lotus flowers did they see? _____
- (c) How many sunflowers did they see? _____
- (d) How many red roses did they see? _____



2. Observe the information given in the chart.



Watermelons



Answer the following questions:

- (a) Which fruit is maximum in number? _____
- (b) How many Watermelons have been shown in the chart? _____
- (c) How many oranges and mangoes have been shown altogether? _____
- (d) Which fruit is minimum in number? _____

REMEMBER



- ✓ Data is a collection of information.
- ✓ Data is stored in form of tables.
- ✓ To store the data in a table and retrieve the data from a table is known as data handling.
- ✓ A list helps us to organise the information about important things.



Exercise



Gap Analyzer™



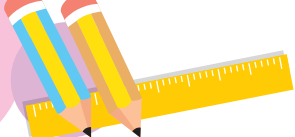
1. Birthday information of a class in a school is as follows:

Birthday

Months	January	April	July	September	November	December
Girls	3	4	5	7	8	—
Boys	8	7	2	—	2	9

Now answer the following questions:

- (a) How many children have their birthday in April?
- (b) In which month does boys have no birthdays?
- (c) How many children have their birthdays in September?
- (d) In which month does the girls have no birthday?



2. **Rashmita and Susmita saw flowers in the garden. They made a chart.**

Flowers	Red roses	Sunflowers	Lilies	Pink roses
	20	12	18	16

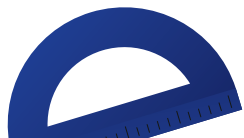
Look at the chart and answer the following:

- (a) How many red roses did they see?
- (b) How many pink roses did they see?
- (c) How many flowers did they see altogether?

3. **Observe the given pictograph and answer the questions.**

Bus	
Car	
Cycle	
On foot	 <div><p>Custom Learning Path</p><p>Scan to Create Your Own Learning Path</p></div>

- (a) How many children come to school by bus? _____
- (b) Which vehicle is preferred more? _____
- (c) How many children in all come to school by bicycle? _____
- (d) How many children in all come to school by foot? _____



Math Puzzle



Solve the puzzle:

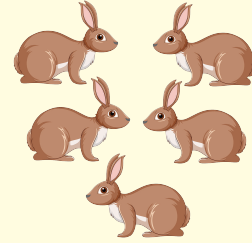
A survey was conducted to find favorite animals in a group of kids:



7 Dogs



4 Cats



5 Rabbits

1. Which animal is liked the most?
2. How many kids like Cats and Rabbits together?
3. If 3 more kids choose Dogs, how many will like Dogs in total?



Mental Math

Sport	Number of Players
Football	15
Basketball	10
Cricket	12
Tennis	8

- ✦ Which sport has the least number of players?
- ✦ How many players play football and basketball together?
- ✦ How many more players play cricket than tennis?
- ✦ What is the total number of players?



Critical Thinking

Teacher asked the children of class 2 about their favorite ice cream flavors. The results are as follows: 5 children like chocolate, 3 children like vanilla, 2 children like strawberry, 1 child likes mango. Which ice cream flavor is the most popular? How many more children like vanilla and like strawberry?