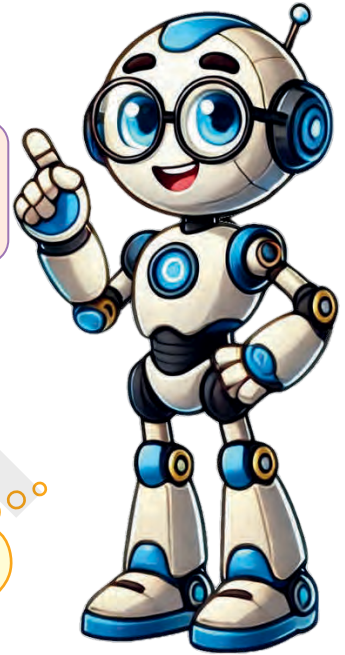


We'll cover the following key points:

→ 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 helps us answer questions.
- Learn to collect simple data from everyday things (e.g., favorite fruits of friends).
- Make a picture graph to show data using pictures or symbols.
- Count how many pictures or symbols are used in a picture graph.
- Interpret simple picture graphs to answer questions (e.g., "Which fruit is the most popular?").
- Compare data in picture graphs to find out which has more or less.
- Create a picture graph to show data, such as how many students like different colors.





Guidelines for Teachers

Start by introducing picture graphs, explaining how they use images or symbols to represent data in a simple way. Show students how to read a picture graph by counting the pictures or symbols and understanding what each one represents. Encourage students to create their own picture graphs by drawing or using stickers to represent data, like favorite fruits or pets. Teach them how to compare data using the picture graph and answer questions based on the information displayed.



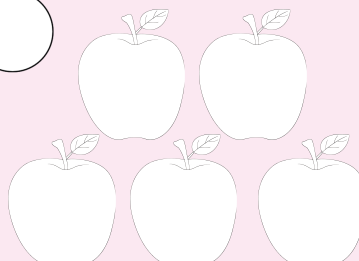
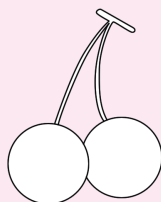
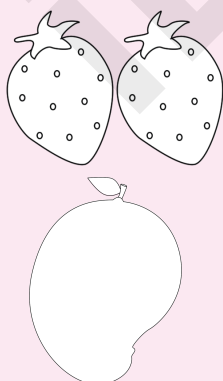
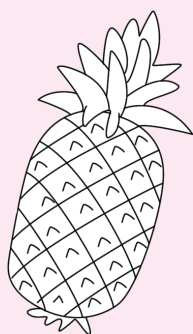
Warm Up

1. In a hatchery, the number of chickens that hatched on 4 days of a week is shown. Count the number of chickens that hatched each day and find the total number of chickens that hatched in four days. Then answer the questions that follow.

Monday	
Tuesday	
Wednesday	
Thursday	
Total	

- a. On which day did the least number of chickens hatch? _____
b. On which day did the most number of chickens hatch? _____
c. On which day was there one chicken less than the most number of chickens? _____
d. On which day did 5 chickens hatch? _____

2. Below are different kinds of fruits. Count the number of each type of fruit and find the total number of fruits. Colour them.



Strawberries _____
Pineapple _____
Mango _____
Cherries _____
Apples _____
Bananas _____
Total _____



Exercise 12.1

Look at given picture carefully and answer the following questions.



1. Which animal is the most in number? _____
2. Which animals are equal in number? _____
3. How many animals are there in all? _____
4. Which animal is the least in number? _____
5. How many more parrots are there than elephants? _____

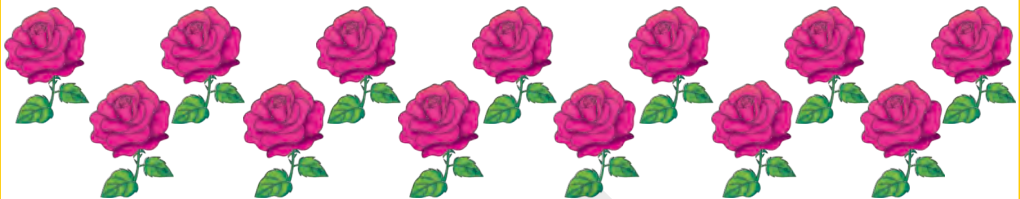


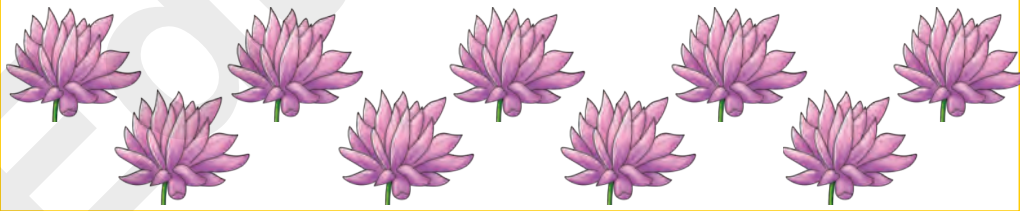
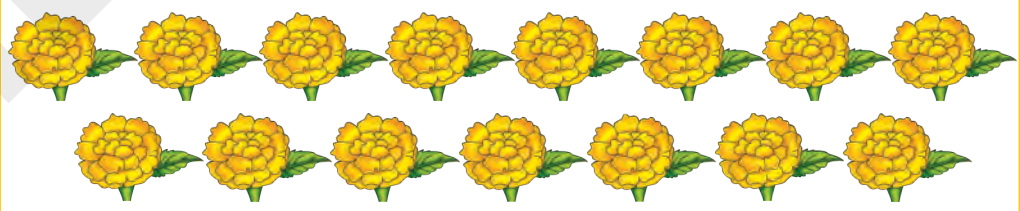


The given **information** or **data** can be easily expressed in **words**, **symbols**, **graphs** and pictures. Collection of information is called data collection.



Exercise 12.2

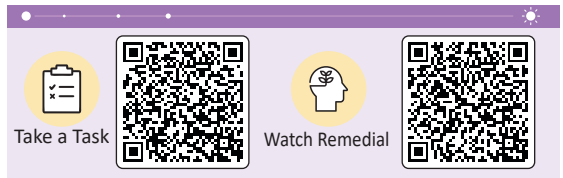
Ashok and Ranjan saw some flowers in the garden. They made a chart.

Pink Roses	
Sunflowers	
Red Roses	
Lilies	
Marigolds	

Look at the above chart and answer the following questions.

- How many pink roses did they see?
- How many sunflowers did they see?
- How many red roses did they see?
- How many marigolds did they see?

Picture graphs



Exercise 12.3

1. Figures of different books are shown in a form. We call it a picture graph.



Count the number of books of each type in the above picture graph and fill in the blanks.

- There are _____ story books.
- There are _____ english books.
- There are _____ science books.
- There are _____ story books more than the picture books.
- There are _____ books altogether.

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