Data handling

Who likes which fruits

During leisure, sitting under the Peepul tree within the school compound. Chandra was discussing with his friends about their favourite fruits by choice. Jili brought a note book and a pencil from the class-room. She prepared a table showing who likes which fruits. The table is as given below

Name of fruits	Number of students who like the fruit
Banana	☺ ☺ ☺ ☺ ☺
Mango	☺ ☺ ☺ ☺ ☺ ☺
Jack fruit	☺ ☺
Pear	☺ ☺ ☺

☺- indicates two boys or girls students

Answer the following questions on the basis of the above data.

✦ How many students in total like banana and jack-fruit?

✦ Number of students who like pear is more or less than the number of students who like jackfruit?

✦ Which is the most favourite fruit of the students?

The following table shows this number of storybook owned by Monoj, Ringdao, Borun, Binita and Kabita.

Name	Monoj	Ringdao	Borun	Binita	Kabita
Number of books	4	5	9	6	7

Represent the above data with the help of pictures.

Monoj	☐ ☐ ☐ ☐
Ringdao	
Borun	
Binita	
Kabita	

☐ **Represents one book**

Answer on the basis of above data

✦ Who has the largest number of books?   ☐

✦ Who has the least number of books?   ☐

✦ How many more books Monoj will have to collect to

   make it equal to Borun's?   ☐

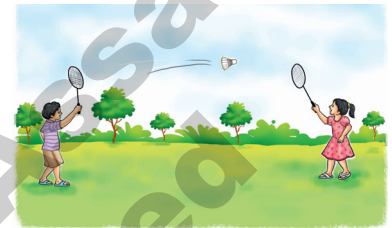✦ How many books Ringdao and Binita has in total?   ☐

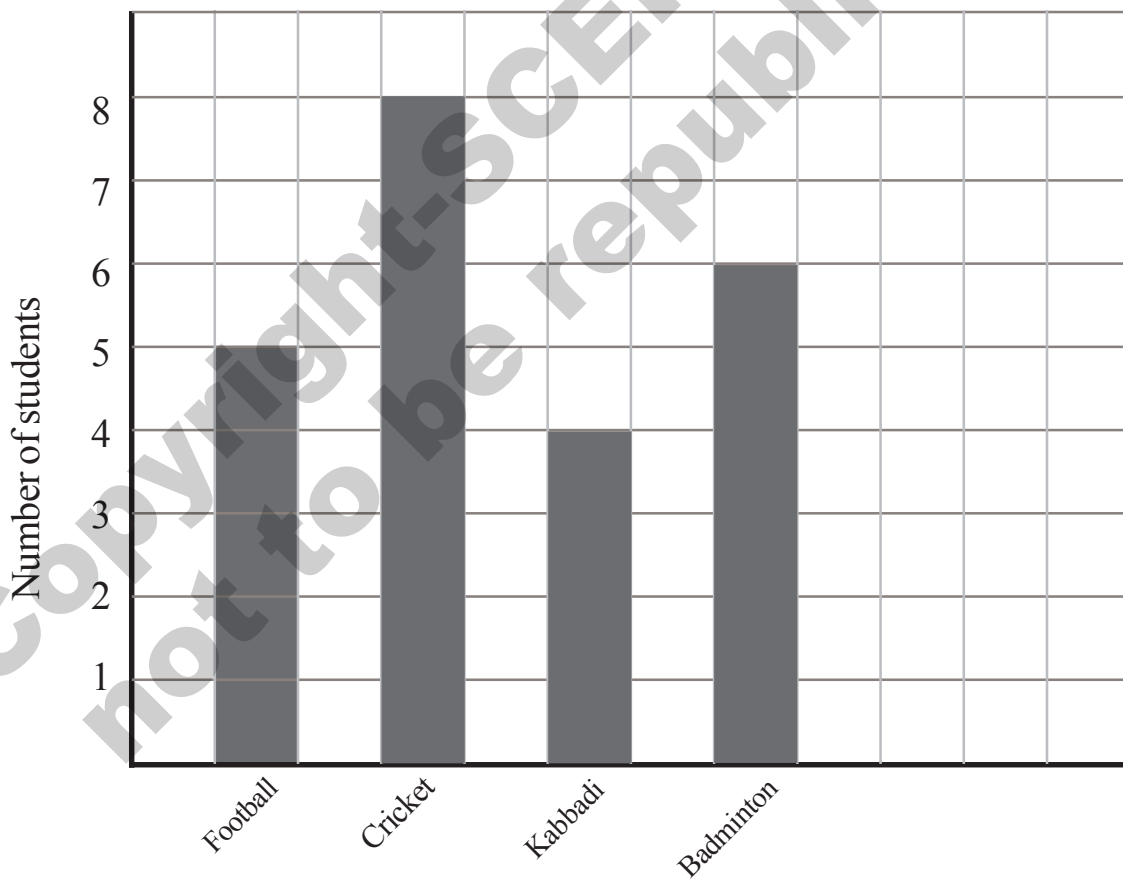✦ How many books Barun has more than Kabita?   ☐

The following table shows the data on number of students who like to play various sports.

Name of sports	Number of students
Football	5
Cricket	8
Kabbadi	4
Badminton	6

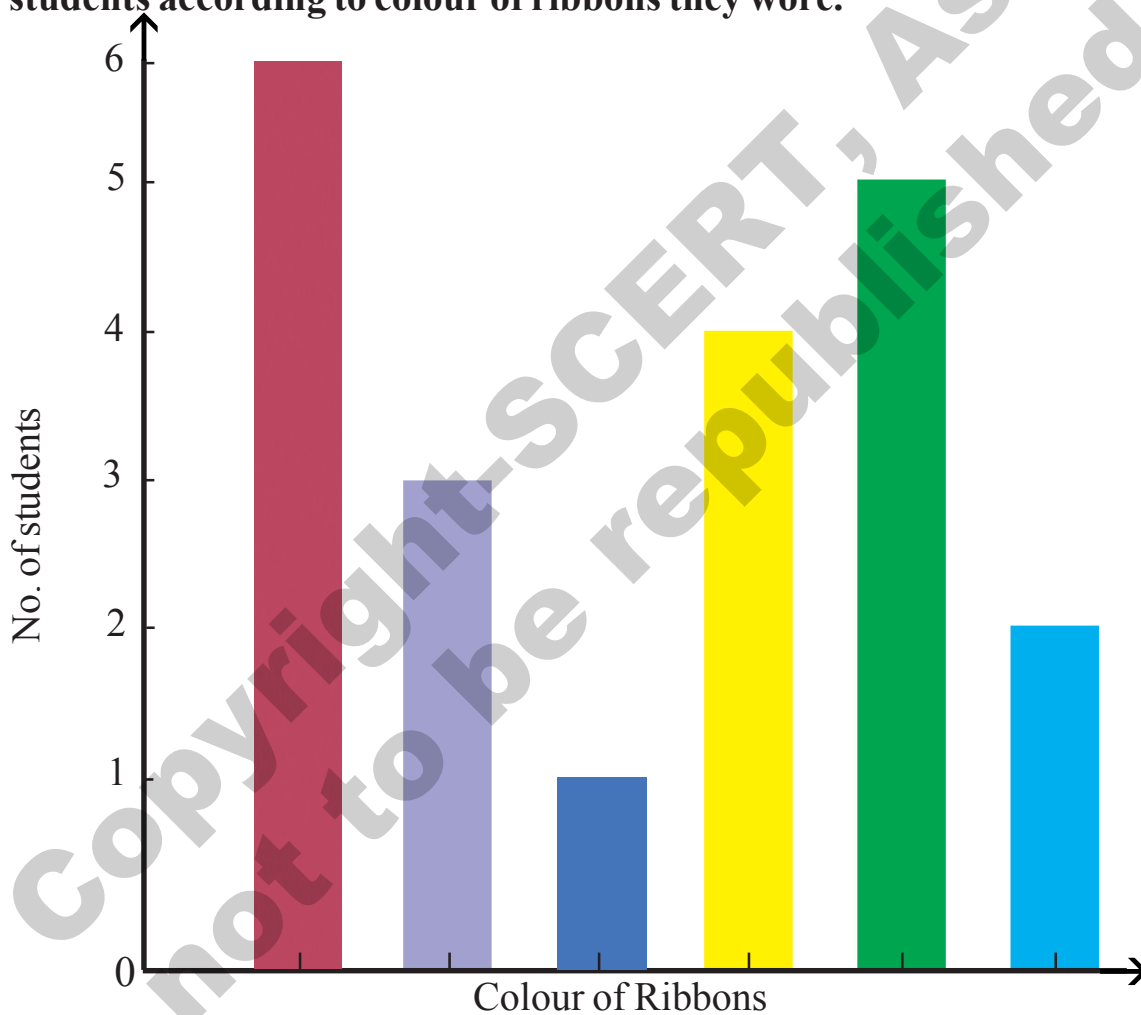**Let us draw bar-diagram on the basis of the data given above.**

Look at the bar-diagram shown on the other page and tell

* Between football and cricket which game majority of the students prefer to play
* What is the total number of students in the classroom?
* What is the total number of students who like to play Kabbadi and Badminton?

Let us know Bar diagram is a way of representation of data. The height of the bar diagram increases with the increase in magnitude of the data.

On the occasion of Children's day, the class IV students of a school wore ribbons of different colours. The following bar-diagram shows number of students according to colour of ribbons they wore.

Look at the bar diagram and write the number of students according to colour of the ribbons they are wearing

1   _____   _____

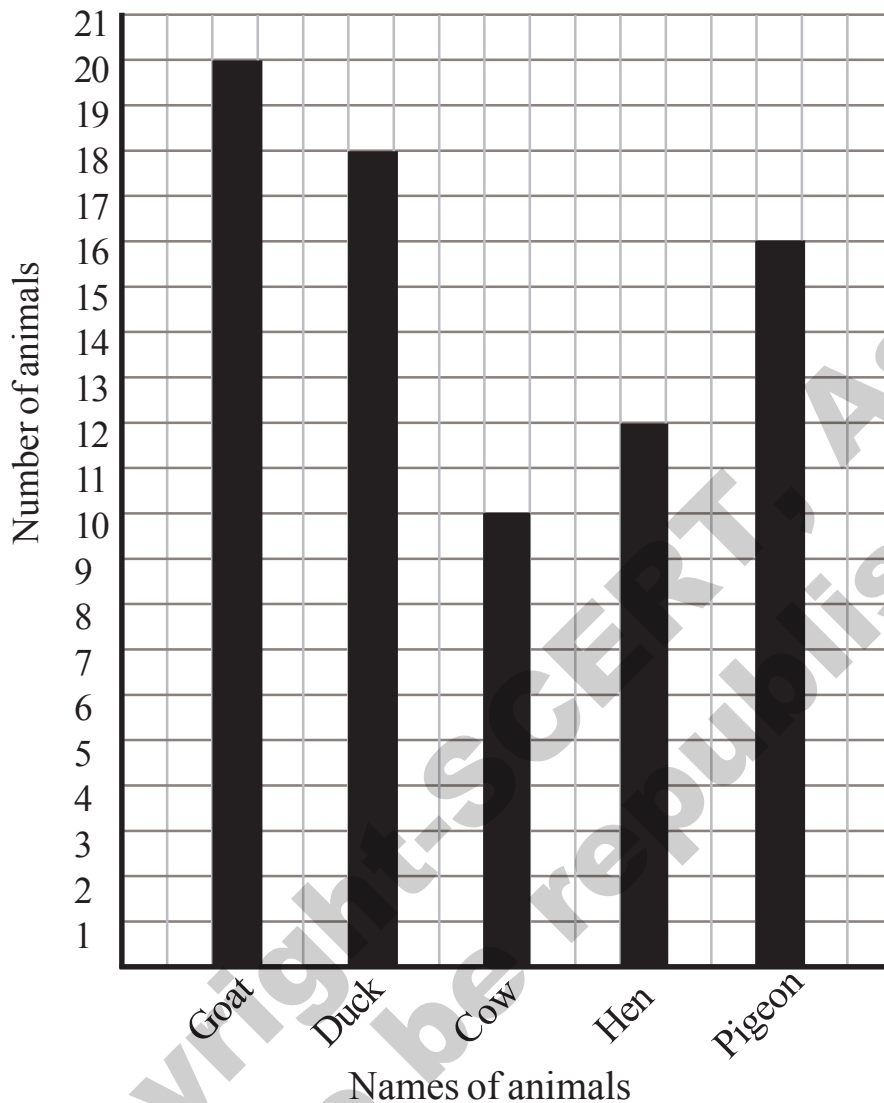_____   _____   _____

Nirmala, Narmada, Kamala, Namita started a small farm with the money collected from self-help group. The bar diagram shows the various kinds of animals and their numbers.

Look at the bar diagram and answer the following questions.

Number of which animal is the highest in the farm?
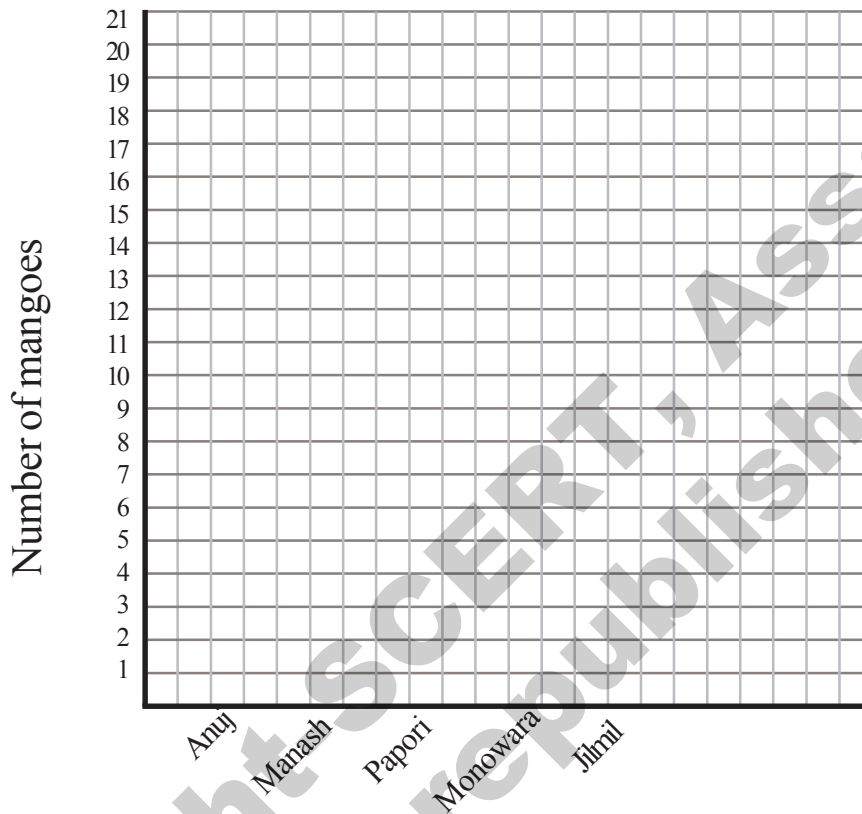
How many more goats are there than cows?

How many less pigeons are there than hens?

How many animals are there in the farm altogether?

Who has how many mangoes

Anuj, Manash, Papari, Monowara and Jilmil went to the orchard to pick mangoes. Anuj got 21, Manosh got 7, Papari got 18, Manowara got 11 and Jilmil got 15. Represent these data in a bar diagram.

Let us write answers from the table

✦ How may mangoes were picked by five of them?

✦ Who picked least number of mangoes?

✦ How much less Monowara picked than Papori?

✦ Who picked highest number of mangoes?

✦ How much more mangoes Jilmil will need to pick, to make it equal to Anuj?

Do by yourself

Collect information about amount of rainfall in a week from the newspaper. Prepare a bar diagram with the data. Find out the day on which rainfall was highest and the day on which it was least.

Instruction to the teacher : Ask the students to prepare bar diagram on such other projects.