

Board –CBSE

Class – 6<sup>th</sup>

Topic – Data Handling Ex: 9.4

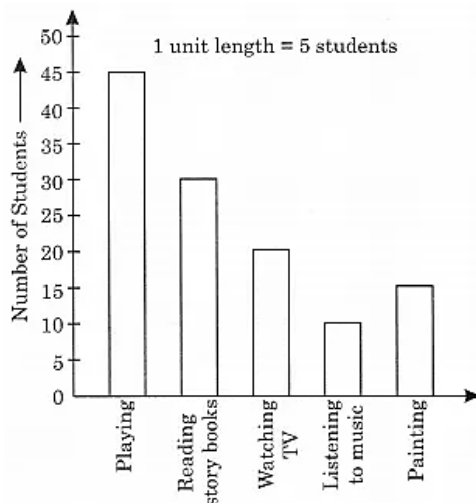
### Exercise - 9.4

1. A survey of 120 school students was done to find which activity they prefer to do in their free time.

Preferred activity	Number of students
Playing	45
Reading storybooks	30
Watching TV	20
Listening to music	10
Painting	15

Draw a bar graph to illustrate the above data taking scale of 1 unit length = 5 students. Which activity is preferred by most of the students other than playing?

Ans. From the given information, we have the following bar graph.



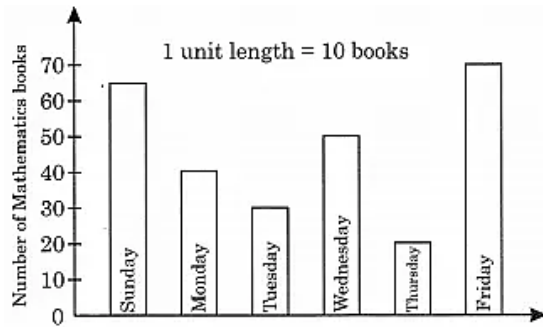
Activity reading storybooks is preferred by most of the students other than playing

2. The number of Mathematics books sold by a shopkeeper on six consecutive days is shown below:

Days	Number of books sold
Sunday	65
Monday	40
Tuesday	30
Wednesday	50
Thursday	20
Friday	70

Draw a bar graph to represent the above information choosing the scale of your choice.

Ans. From the given information, we have the following bar graph:



3. Following table shows the number of bicycles manufactured in a factory during the years 1998 to 2002. Illustrate this data using a bar graph. Choose a scale of your choice.

Years	Number of bicycles manufactured
1998	800
1999	600
2000	900
2001	1100
2002	1200

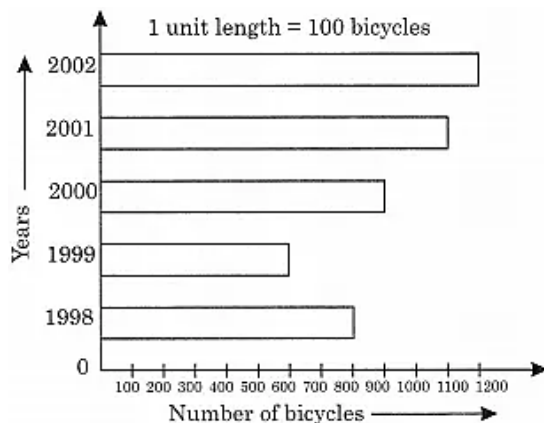
(a) In which year was the maximum number of bicycles manufactured?

(b) In which year was the minimum number of bicycles manufactured?

Ans. From the given information, we have:

(a) In the year 2002, the maximum number of bicycles were manufactured.

(b) In the year 1999, the minimum number of bicycles were manufactured.



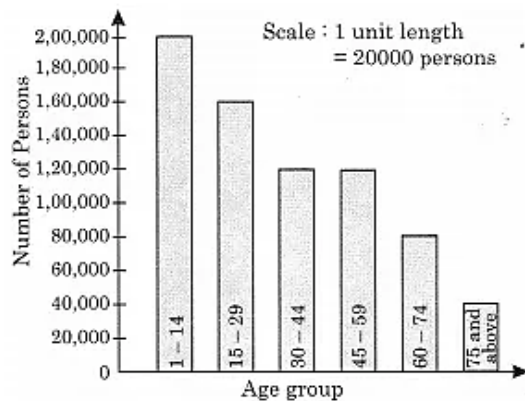
4. Number of persons in various age groups in a town is given in the following table.

Age group	Number of Persons
1-14	2 Lakhs
15-29	1 Lakhs 60 thousand
30-44	1 Lakhs 20 thousand
45-59	1 Lakhs 20 thousand
60-74	80 thousand
75 and above	40 thousand

Draw a bar graph to represent the above information and answer the following questions, (take 1 unit length = 20 thousand)

- (a) Which two age groups have the same population?  
(b) All persons in the age group of 60 and above are called senior citizens. How many senior citizens are there in the town?

**Ans.** From the above information, we have the bar graph.



- (a) Age groups of 30 - 44 and 45 - 59 have the same population.  
(b) Number of Senior citizens are  $80,000 + 40,000 = 1,20,000$