MATHS

NCERT - NCERT MATHEMATICS(Hinglish)

DATA HANDLING

Exercise 9 2

1. Total number of students of a school in different years is shown in the following table

▶ **Watch Video Solution**

1. Following table shows the monthly expenditure of Imran's familyon various items.

2. Following is the pictograph of the number of wrist watches manufactured by a factory in a particular week.

(i) On which day were least number of wrist watches manufactured?

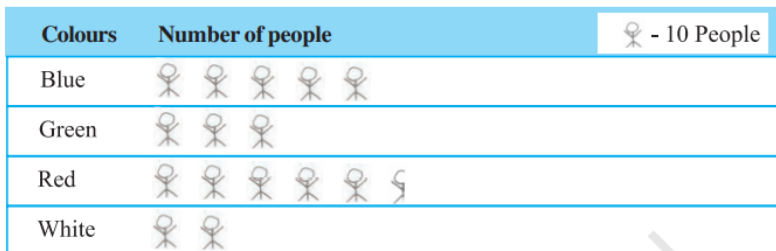(ii) On which day were maximum number of wrist watches manufactured?

(iii) Find out the appropriate number of wrist watches

manufactured in this particular week?

Days	Number of wrist watches manufactured		- 100 Wrist watches
Monday	⊘ ⊘ ⊘ ⊘ ⊘ ⊘	
Tuesday	⊘ ⊘ ⊘ ⊘ ⊘ ⊘ ⊘ (	
Wednesday	⊘ ⊘ ⊘ ⊘ ⊘ ⊘ (	
Thursday	⊘ ⊘ ⊘ ⊘ ⊘ ⊘ ⊘ ⊘	
Friday	⊘ ⊘ ⊘ ⊘ ⊘ ⊘	
Saturday	⊘ ⊘ ⊘ ⊘ ⊘ (	

▶ **Watch Video Solution**

3. The colours of fridges preferred by people living in a locality are shown by the following pictograph

Colours	Number of people		⚥ - 10 People
Blue	⚥ ⚥ ⚥ ⚥ ⚥	
Green	⚥ ⚥ ⚥	
Red	⚥ ⚥ ⚥ ⚥ ⚥ ς	
White	⚥ ⚥	

a) Find the number of people preferring blue colour

b)How many people like red colour

4. A survey was carried out on 30 students of class VI in a school. Data about the different modes of transport used by them to travel to school was displayed as pictograph. What can you conclude from the pictograph?

5. Ekta is asked to collect data for size of shoes of students in her Class VI. Her finding are recorded in the

manner shown below

5	4	7	5	6	7	6	5	6	6	5
4	5	6	8	7	4	6	5	6	4	6
5	7	6	7	5	7	6	4	8	7	

▶ **Watch Video Solution**

6. The following pictograph shows the number of absentees in aclass of 30 students during the previous week

Days	Number of absentees	🧒 - 1 Absentee
Monday	🧒 🧒 🧒 🧒 🧒	
Tuesday	🧒 🧒 🧒 🧒	
Wednesday	🧒 🧒	
Thursday		
Friday	🧒	
Saturday	🧒 🧒 🧒 🧒 🧒 🧒 🧒 🧒	

(a) On which day were the maximum number of students absent?

(b) Which day had full attendance?

(c) What was the total number of absentees in that week?

7. A teacher wants to know the choice of food of each student aspart of the mid-day meal programme. The teacher assigns the task ofcollecting this information to Maria. Maria does so using a paper and a pencil. After arranging the choices in a column, she puts against a choice of food one (|) mark for every student making that choice.
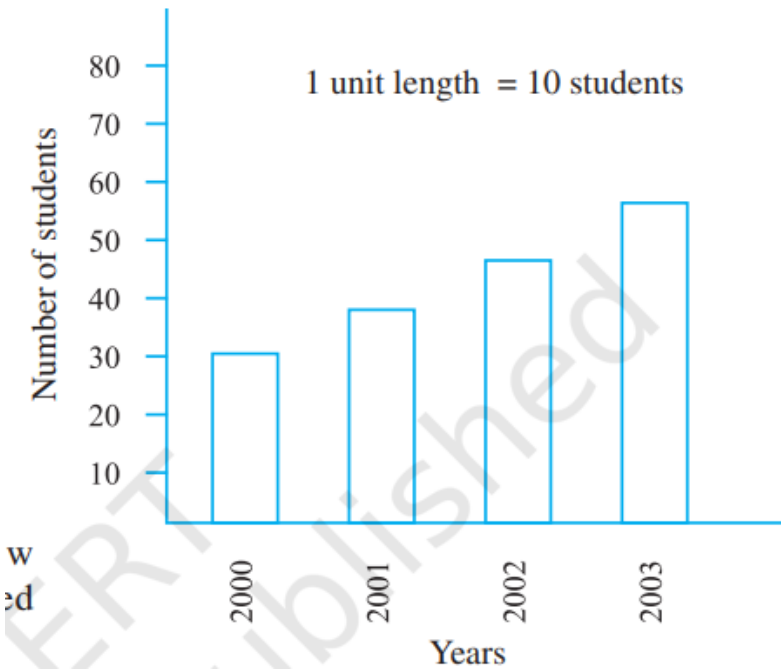
8. The following are the number of electric bulbs purchased for alodging house during the first four months of a year

9. Read the adjoining bar graph showing the number ofstudents in a particular class of a school. Answer thefollowing questions :(a) What is the scale of this graph?(b) How many new students are added every year? (c) Is the number of students in the year 2003 twice that
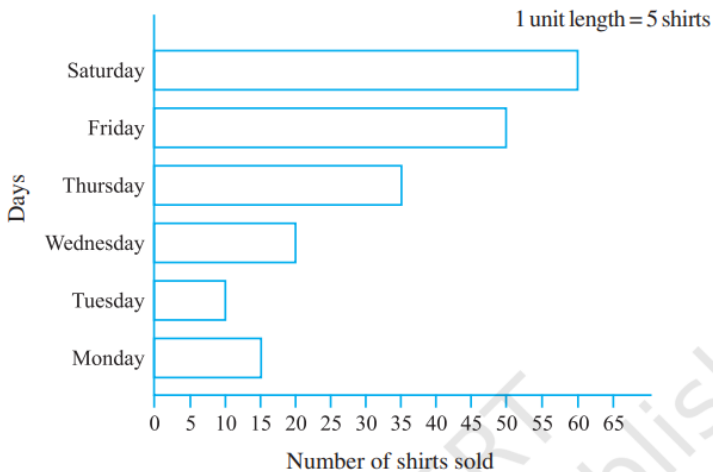
in the year 2000?

1 unit length = 10 students

Number of students

Years

Exercise 9 3

1. Observe this bar graph which shows the marks obtained

by Aziz in half-yearly examination in different subjects.

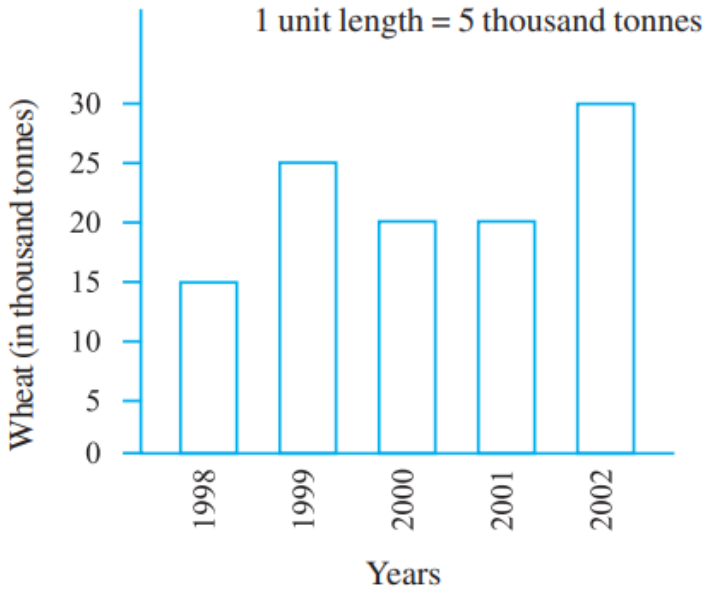**2.** Observe this bar graph which is showing the sale of shirts in a ready made shop from Monday to Saturday

1 unit length = 5 shirts

3. The bar graph given alongside shows the amount of wheat purchasedby government during the year 1998-

2002. Read the bar graph andwrite down your observations. In which year was(a) the wheat production maximum?(b) the wheat production minimum?

1 unit length = 5 thousand tonnes

Exercise 9 4

1. Number of persons in various age groups in a town is given in the following tableDraw a bar graph to represent the above information and answer the following questions. (take 1 unit length = 20 thousands)(a) Which two age groups have 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?

2. The number of Mathematics books sold by a shopkeeper on six consecutive days is shown below Draw a bar graph to represent the above information choosing the scale of your choice.

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

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

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

> ▶ **Watch Video Solution**

Exercise 9 1

1. The number of girl students in each class of a co-educational middle school is depicted by the pictograph Observe this pictograph and answer the following
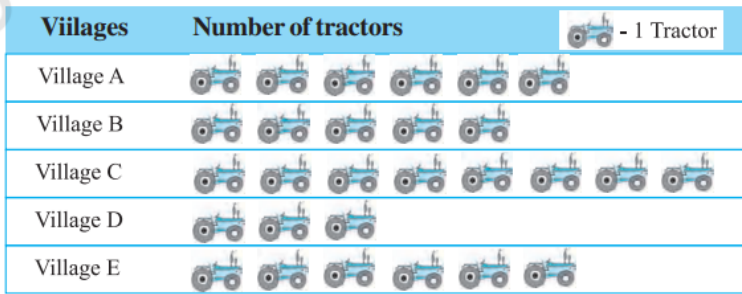
questions :(a) Which class has the minimum number of girl students?(b) Is the number of girls in Class VI less than the number of girls in Class V?(c) How many girls are there in Class VII?

2. Following pictograph shows the number of tractors in five villages.Observe the pictograph and answer the following questions.(i) Which village has the minimum number of tractors?(ii) Which village has the maximum number of tractors?(iii) How many more tractors village C has as compared to village B.(iv) What is the total number

of tractors in all the five villages?

Vilages	Number of tractors			🚜 - 1 Tractor
Village A	🚜 🚜 🚜 🚜 🚜 🚜			
Village B	🚜 🚜 🚜 🚜 🚜			
Village C	🚜 🚜 🚜 🚜 🚜 🚜 🚜 🚜			
Village D	🚜 🚜 🚜			
Village E	🚜 🚜 🚜 🚜 🚜 🚜			

▶ Watch Video Solution

3. In a village six fruit merchants sold the following number of fruit baskets in a particularseason :Observe this pictograph and answer the following questions :(a) Which merchant sold the maximum number of baskets? (b) How many fruit baskets were sold by Anwar?(c) The merchants who have sold 600 or more number of baskets are planning to buya godown for the next season. Can

you name them?
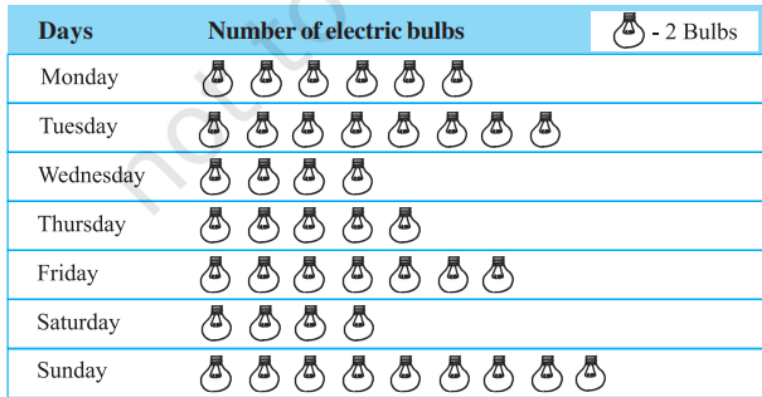
Name of fruit merchants	Number of fruit baskets	- 100 Fruit baskets
Rahim		
Lakhanpal		
Anwar		
Martin		
Ranjit Singh		
Joseph		

▶ **Watch Video Solution**

4. The sale of electric bulbs on different days of a week is

shown below :What can we conclude from the said

pictograph?

Days	Number of electric bulbs	🔅 - 2 Bulbs
Monday	🔅 🔅 🔅 🔅 🔅 🔅	
Tuesday	🔅 🔅 🔅 🔅 🔅 🔅 🔅 🔅	
Wednesday	🔅 🔅 🔅 🔅	
Thursday	🔅 🔅 🔅 🔅 🔅	
Friday	🔅 🔅 🔅 🔅 🔅 🔅 🔅	
Saturday	🔅 🔅 🔅 🔅	
Sunday	🔅 🔅 🔅 🔅 🔅 🔅 🔅 🔅 🔅	

▶ **Watch Video Solution**

---

5. In a Mathematics test, the following marks were obtained by 40 students. Arrange these marks in a table using tally marks.(a) Find how many students obtained marks equal to or more than 7.(b) How many students obtained marks below 4?

▶ **Watch Video Solution**

6. Catherine threw a dice 40 times and noted the number appearing each time as shown below :

Make a table and enter the data using tally marks. Find the number that appeared.

(a) The minimum number of times

(b) The maximum number of times

(c) Find those numbers that appear an equal number of times.

1	3	5	6	6	3	5	4	1	6
2	5	3	4	6	1	5	5	6	1
1	2	2	3	5	2	4	5	5	6
5	1	6	2	3	5	2	4	1	5

▶ **Watch Video Solution**

7. Following is the choice of sweets of 30 students of Class VI.Ladoo, Barfi, Ladoo, Jalebi, Ladoo, Rasgulla, Jalebi, Ladoo, Barfi, Rasgulla, Ladoo, Jalebi, Jalebi, Rasgulla, Ladoo, Rasgulla, Jalebi, Ladoo, Rasgulla, Ladoo, Ladoo, Barfi, Rasgulla, Rasgulla, Jalebi, Rasgulla, Ladoo, Rasgulla, Jalebi, Ladoo.(a) Arrange the names of sweets in a table using tally marks.(b) Which sweet is preferred by most of the students?

▶ **Watch Video Solution**