



# MATHS

## NCERT - NCERT

## MATHEMATICS(ENGLISH)

## DATA HANDLING

### Exercise 9 2

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



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## Solved Examples

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



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

particular week



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



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**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?



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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



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



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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.



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8. The following are the number of electric bulbs purchased for alodging house during the first four months of a year



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9. Read the adjoining bar graph showing the number of students in a particular class of a school. Answer the following 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?



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**Exercise 9 3**

1. Observe this bar graph which shows the marks obtained by Aziz in half-yearly examination in different subjects.



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



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3. The bar graph given alongside shows the amount of wheat purchased by government during the year 1998-2002. Read the bar graph and write down your observations. In which year was (a) the wheat production maximum? (b) the wheat production minimum?



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**Exercise 9 4**

1. Number of persons in various age groups in a town is given in the following table Draw 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?



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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.



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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

*Year* : 1998, 1999, 2000, 2001, 2002

No. of Bicycle Manufactured :

800, 600, 900, 1100, 1200



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**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?



## 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?



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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

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3. In a village six fruit merchants sold the following number of fruit baskets in a particular season : 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 buy a godown for the next season. Can you name them?



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4. The sale of electric bulbs on different days of a week is shown below :What can we conclude from the said pictograph?



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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?





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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



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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?



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