

**Data Handling**

6th Standard

Mathematics

Exam Time : 00:01:00 Hrs

Total Marks : 1

43 x 1 = 43

1) Using tally marks, which one of the following represents the number eight?

- (a) IIII II (b)  (c)  (d) 

2) The marks (out of 10) obtained by 28 students in a Mathematics test are listed as given below:

8, 1, 2, 6, 5, 5, 5, 0, 1, 9, 7, 8, 0, 5, 8, 3, 0, 8, 10, 10, 3, 4, 8, 7, 8, 9, 2, 0

The number of students who obtained marks more than or equal to 5 is

- (a) 13 (b) 15 (c) 16 (d) 17

3) The marks (out of 10) obtained by 28 students in a Mathematics test are listed as given below:

8, 1, 2, 6, 5, 5, 5, 0, 1, 9, 7, 8, 0, 5, 8, 3, 0, 8, 10, 10, 3, 4, 8, 7, 8, 9, 2, 0

, the number of students who scored marks less than 4 is

- (a) 15 (b) 13 (c) 12 (d) 10

4) The marks obtained by 10 students in Science test are given below:

53, 36, 95, 73, 62, 42, 25, 78, 75, 62

Answer the following questions that are related to the given data.

The maximum marks obtained by any student is

- (a) 60 (b) 95 (c) 78 (d) 25

5) The marks obtained by 10 students in Science test are given below:

53, 36, 95, 73, 62, 42, 25, 78, 75, 62

Answer the following questions that are related to the given data.

The minimum marks obtained by any student is

- (a) 42 (b) 36 (c) 25 (d) 73

6) The marks obtained by 10 students in Science test are given below:

53, 36, 95, 73, 62, 42, 25, 78, 75, 62

Answer the following questions that are related to the given data.

How many students got the same marks?

- (a) 3 (b) 4 (c) 2 (d) None of these

7) The marks obtained by 10 students in Science test are given below:

53, 36, 95, 73, 62, 42, 25, 78, 75, 62

Answer the following questions that are related to the given data.

How many students got 78 or more marks?

- (a) 2 (b) 3 (c) 1 (d) 4

8) The marks obtained by 10 students in Science test are given below:

53, 36, 95, 73, 62, 42, 25, 78, 75, 62

Answer the following questions that are related to the given data.

How many students got marks below 62?

- (a) 3 (b) 4 (c) 5 (d) 2

9) The choices of the fruits of 42 students in a class are as follows.

A, O, B, M, A, G, B, G, A, G, B, M, A, G, M, A, B, G, M, B, A, O, M, O, G, B, O, M, G, A, A, B, M, O, M, G, B, A, M, O, M, O

Where A, B, G, M and O stand for the fruits Apple, Banana, Grapes, Mango and Orange respectively.

Which two fruits are liked by an equal number of students?

(a) A and M (b) M and B (c) B and O (d) B and G

10) The choices of the fruits of 42 students in a class are as follows.

A, O, B, M, A, G, B, G, A, G, B, M, A, G, M, A, B, G, M, B, A, O, M, O, G, B, O, M, G, A, A, B, M, O, M, G, B, A, M, O, M, O

Where A, B, G, M and O stand for the fruits Apple, Banana, Grapes, Mango and Orange respectively. Which fruit is liked by most of the students?

(a) O (b) G (c) M (d) A

11) The marks obtained by 10 students in Mathematics test are given below:

5536957362

4225787562

Answer the following related questions:

The difference between the maximum and minimum marks obtained is

(a) 60 (b) 50 (c) 70 (d) 80

12) The marks obtained by 10 students in Mathematics test are given below:

5536957362

4225787562

Answer the following related questions:

How many students got 75 or more marks?

(a) 1 (b) 2 (c) 3 (d) 4

13) The marks obtained by 10 students in Mathematics test are given below:

5536957362

4225787562

Answer the following related questions:

How many students got marks below 60?

(a) 1 (b) 2 (c) 3 (d) 4

14) The marks obtained by 10 students in Mathematics test are given below:

5536957362

4225787562

Answer the following related questions:

How many students got marks between 60 and 75?

(a) 1 (b) 2 (c) 3 (d) 4

15) Observe the following table and answer the related questions:

BLOOD GROUPS	NUMBER OF STUDENTS
A	9
B	6
O	12
AB	3
Total	30

Which blood group is the most common?

(a) A (b) B (c) O (d) AB

16) Observe the following table and answer the related questions:

<b>BLOOD GROUPS</b>	<b>NUMBER OF STUDENTS</b>
A	9
B	6
O	12
AB	3
Total	30

Which blood group is the rarest?

(a) AB (b) B (c) A (d) O

17) Observe the following table and answer the related questions:

<b>BLOOD GROUPS</b>	<b>NUMBER OF STUDENTS</b>
A	9
B	6
O	12
AB	3
Total	30

What is the total number of students?

(a) 30 (b) 15 (c) 20 (d) 10

18) Observe the following table and answer the related questions:

<b>BLOOD GROUPS</b>	<b>NUMBER OF STUDENTS</b>
A	9
B	6
O	12
AB	3
Total	30

The maximum frequency is

(a) 12 (b) 9 (c) 6 (d) 3

19) Observe the following table and answer the related questions:

<b>BLOOD GROUPS</b>	<b>NUMBER OF STUDENTS</b>
A	9
B	6
O	12
AB	3
Total	30

The minimum frequency is

(a) 3 (b) 6 (c) 9 (d) 12

20) Observe the following table and answer the related questions:

<b>BLOOD GROUPS</b>	<b>NUMBER OF STUDENTS</b>
A	9
B	6
O	12
AB	3
Total	30

The difference between maximum and minimum frequency is

(a) 3 (b) 6 (c) 9 (d) 12

21) Observe the following table and answer the related questions:

BLOOD GROUPS	NUMBER OF STUDENTS
A	9
B	6
O	12
AB	3
Total	30

The ratio of the frequencies of blood groups AB and B is

- (a) 1 : 2   (b) 1 : 3   (c) 2 : 3   (d) 3 : 4

























22) Observe the following table and answer the related questions:

BLOOD GROUPS	NUMBER OF STUDENTS
A	9
B	6
O	12
AB	3
Total	30

The ratio of the frequencies of blood groups B and O is

- (a) 1 : 3   (b) 2 : 3   (c) 3 : 4   (d) 1 : 2
























23) Observe the following pictograph and answer the related questions :

DAY	NUMBER OF STUDENTS PRESENT
	 = 10 students
Monday	     
Tuesday	   
Wednesday	  
Thursday	      
Friday	
Saturday	 

On which day were the maximum number of students present?

- (a) Monday   (b) Thursday   (c) Tuesday   (d) Saturday
























24) Observe the following pictograph and answer the related questions :

DAY	NUMBER OF STUDENTS PRESENT
	 = 10 students
Monday	    
Tuesday	   
Wednesday	  
Thursday	      
Friday	
Saturday	 

On which day were the minimum number of students present?

- (a) Friday   (b) Saturday   (c) Thursday   (d) Wednesday

25) Observe the following pictograph and answer the related questions :

DAY	NUMBER OF STUDENTS PRESENT
	 = 10 students
Monday	    
Tuesday	   
Wednesday	  
Thursday	      
Friday	
Saturday	 

The number of students present on Friday is

- (a) 10   (b) 20   (c) 40   (d) 50

26) Observe the following pictograph and answer the related questions :

DAY	NUMBER OF STUDENTS PRESENT
	□ = 10 students
Monday	□ □ □ □ □ □
Tuesday	□ □ □ □ □
Wednesday	□ □ □ □
Thursday	□ □ □ □ □ □ □ □
Friday	□
Saturday	□ □

On how many days were more than 20 students present?

- (a) 1   (b) 2   (c) 3   (d) 4

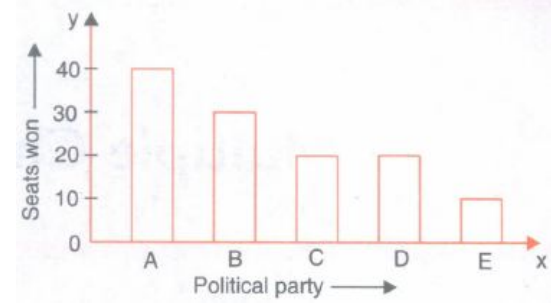
27) Observe the following pictograph and answer the related questions :

DAY	NUMBER OF STUDENTS PRESENT
	□ = 10 students
Monday	□ □ □ □ □ □
Tuesday	□ □ □ □ □
Wednesday	□ □ □ □
Thursday	□ □ □ □ □ □ □ □
Friday	□
Saturday	□ □

On how many days were less than 20 students present?

- (a) 1   (b) 2   (c) 3   (d) 4

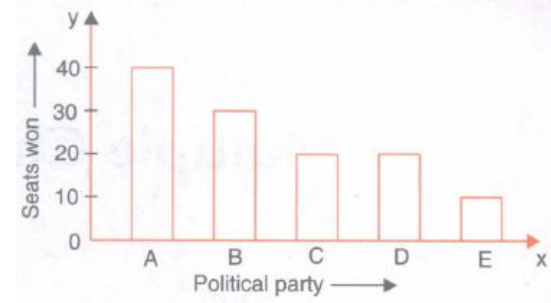
28) Observe the following bar graph and answer the related questions:



Which political party won the maximum number of seats?

- (a) A   (b) B   (c) C   (d) D

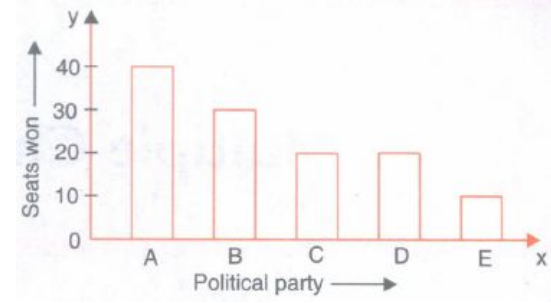
29) Observe the following bar graph and answer the related questions:



Which political party won the minimum number of seats?

- (a) A   (b) B   (c) D   (d) E

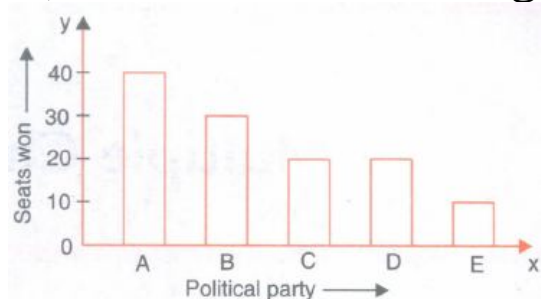
30) Observe the following bar graph and answer the related questions:



Which two political parties won the same number of seats?

- (a) C,D   (b) C,E   (c) D,E   (d) B, D

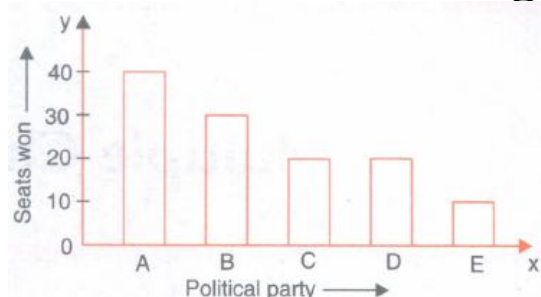
31) Observe the following bar graph and answer the related questions:



What is the difference between the maximum and minimum numbers of seats won?

- (a) 10 (b) 20 (c) 30 (d) 40

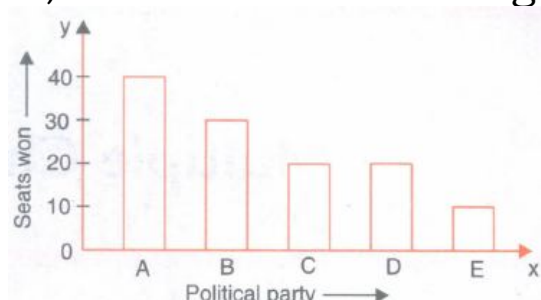
32) Observe the following bar graph and answer the related questions:



How many parties won more than 20 seats?

- (a) 1 (b) 2 (c) 3 (d) 4

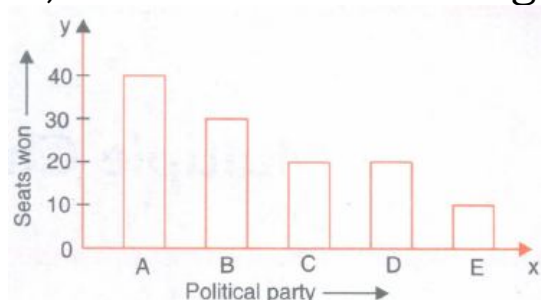
33) Observe the following bar graph and answer the related questions:



How many parties won less than 60 seats?

- (a) 2 (b) 3 (c) 5 (d) 4

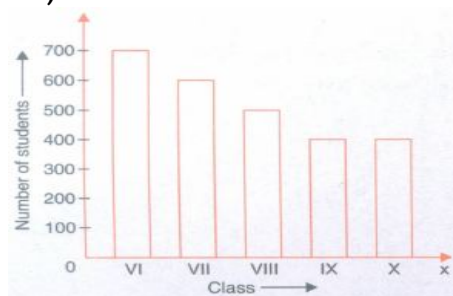
34) Observe the following bar graph and answer the related questions:



What is the total number of seats won by party C and party D?

- (a) 10 (b) 20 (c) 30 (d) 40

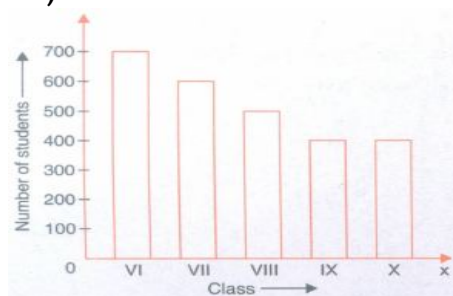
35) Observe the following bar graph and answer the related questions:



In which class is the number of students maximum?

- (a) VI (b) VIII (c) IX (d) X

36) Observe the following bar graph and answer the related questions:

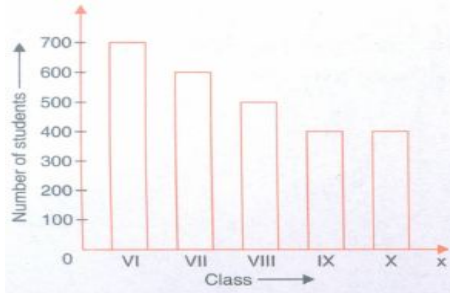


In which class/classes is the number of students minimum?

- (a) IX, X (b) VIII (c) VI (d) VII



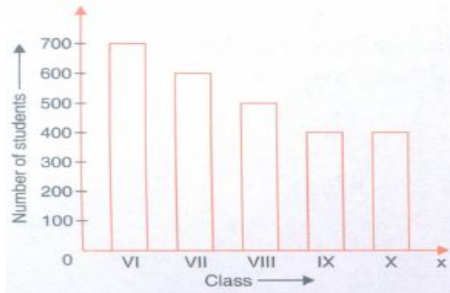
37) Observe the following bar graph and answer the related questions:



In which classes are the number of students same?

- (a) IX, X (b) VI, VII (c) VIII, IX (d) VI, X

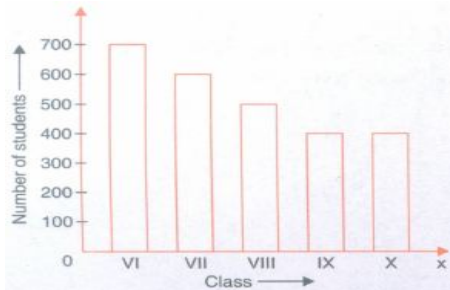
38) Observe the following bar graph and answer the related questions:



In which class is the number of students 500?

- (a) VIII (b) VII (c) IX (d) X

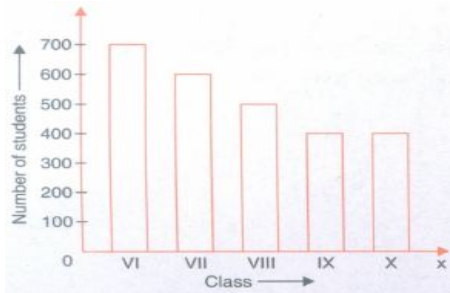
39) Observe the following bar graph and answer the related questions:



What is the difference between the maximum and the minimum number of students?

- (a) 100 (b) 200 (c) 300 (d) 400

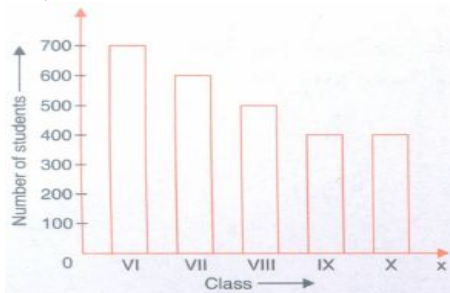
40) Observe the following bar graph and answer the related questions:



In how many classes are the number of students same?

- (a) 2 (b) 3 (c) 4 (d) 5

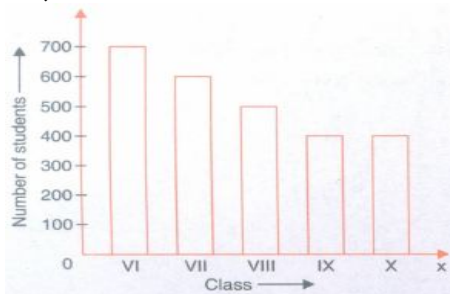
41) Observe the following bar graph and answer the related questions:



What is the difference between the number of students of class VI and class VII?

- (a) 100 (b) 200 (c) 300 (d) 400

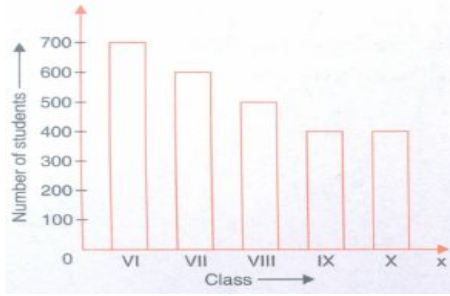
42) Observe the following bar graph and answer the related questions:



What is the total number of students?

- (a) 2600 (b) 2000 (c) 3600 (d) 1600

43) Observe the following bar graph and answer the related questions:



What is the ratio of the number of students of class X and class IX?

- (a) 1 : 1 (b) 1 : 2 (c) 2 : 1 (d) 1 : 4

$$10 \times 1 = 10$$

44) A \_\_\_\_\_ is a collection of numbers gathered to give some meaningful information.

45) The data can be arranged in a tabular form using \_\_\_\_\_ marks.

46) A \_\_\_\_\_ represents data through pictures of objects.

47) Representation of data in form of pictures is called \_\_\_\_\_.

48) In bar graph, width of rectangle is always \_\_\_\_\_.

49) The tally marks  $\text{||||}$  represent \_\_\_\_\_.

50) In a bar graph, bars of \_\_\_\_\_ width can be drawn horizontally or vertically with \_\_\_\_\_ spacing between them.

51) An observation occurring seven times in a data is represented as \_\_\_\_\_ using tally marks.

52) In a pictograph, if a symbol \* represents 20 flowers in a basket, then \*\*\* stands for \_\_\_\_\_ flowers.

53) On the scale of 1 unit length = 10 crore, the bar of length 6 units will represent \_\_\_\_\_ crore and of \_\_\_\_\_ units will represent 75 crore.

$$10 \times 1 = 10$$

54) To represent the population of different towns using bar graph, it is convenient to take one unit length to represent one person.

- (a) True (b) False

55) Pictographs and bar graphs are pictorial representations of the numerical data.

- (a) False (b) True

56) An observation occurring five times in a data is recorded as IIIII, using tally marks.

- (a) True (b) False

57) In a pictograph, if a symbol  $\boxtimes$  represents 50 books in a library shelf, then the symbol  $\boxplus$  represents 25 books.

- (a) False (b) True

58) Tally marks  $||||$  represent 4.

- (a) False (b) True

59) In a bar graph, the width of bars may be unequal.

- (a) True (b) False

60) In a bar graph, bars of uniform width are drawn vertically only.

- (a) True (b) False

61) In a bar graph, each bar (rectangle) represents only one value of the numerical data.

- (a) False (b) True

62) In a pictograph, if a symbol  $\boxplus$  represents 100 books in a library shelf, then the symbol  $\boxtimes$  represents 50 books.

- (a) True (b) False

63) In a bar graph, the gap between two consecutive bars may not be the same.

- (a) True (b) False





$$4 \times 1 = 4$$

- 64)  (1) 7  
 65)  (2) 8  
 66)  (3) 17  
 67)  (4) 12

$$25 \times 2 = 50$$


68) Rajesh was asked to find the number of students playing different games in the school. The information collected by him is as follows:  
 Football 40, Cricket 30, Basketball 20, Badminton 10 Represent the given information with a pictograph.

69) Write the name of way in which data is represented using images.

70) In a pictograph, if symbol  represents 100 books in a library shelf, then how many books, this symbol  represent?

71) The number of students who absent from the class during a week are given below:

Day	Monday	Tuesday	Wednesday	Thursday	Friday
<b>Number of absentees</b>	20	15	10	20	25

Draw a pictograph using the symbol  which represents 10 students.

72) Following are the number of electric bulbs purchased for a lodging house during the first four months of a year

Months	Number of bulbs
January	100
February	250
March	350
April	200

Represent the details by a pictograph.

73) Using tally marks, represent the numbers as symbol, 20, 19, 22, 21.

74) How many values in bar graph is represented by each bar.

75) What is data?

76) What does  represent in tally marks?

77) What are bar graphs?

78) What are pictographs?


79) What is the range of data?

80) Find the range of data 9, 7, 2, 6, 1, 3, 4, 12.

81) What kind of data is collected directly from a source?

82) What are tally marks?

83) What type of data is collected from newspaper?

84) In a pictograph, a symbol  represents 5 persons, then how many symbols represent 20 persons.

85) Observe the following table and answer the related questions.





BLOOD GROUP	NUMBER OF STUDENTS
A	10
B	8
O	12
AB	15

(a) Which blood group is the most common?

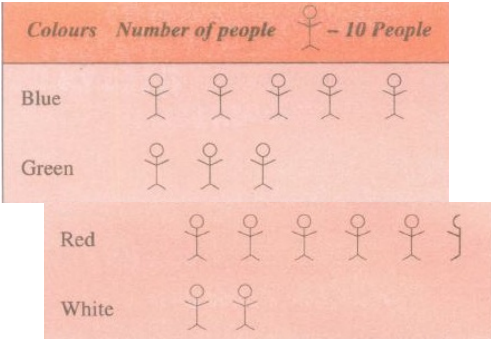
(b) Which blood group is the rarest?

(c) What is the total number of students?

86) Complete the following table

Tally marks	Frequency
	6
	—
	—
	—

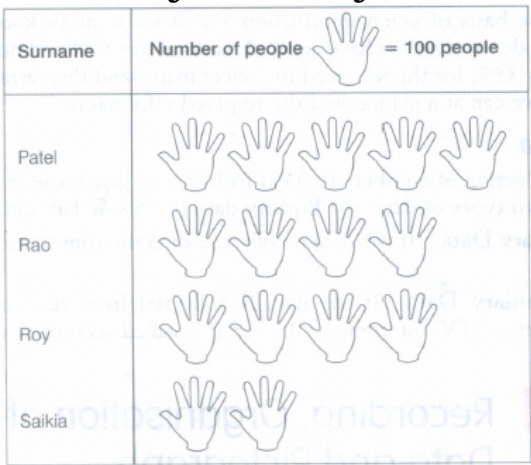
- 87) What does one (✓) mark indicate?
- 88) How many (✓) marks are there against guava?
- 89) How many students were there in the class?
- 90) Which method is the best? Why?
- 91) Which method is more useful when information from a much larger data is required?
- 92)



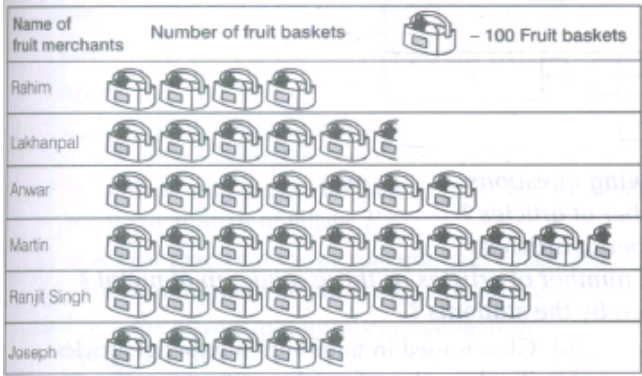
In the above example, the number of people who like red colour was taken as 50 + 5. If your friend wishes to take it as 50 + 8, is it acceptable?

$37 \times 3 = 111$

- 93) Following pictograph represents some surnames of people listed in the telephone directory of a city.



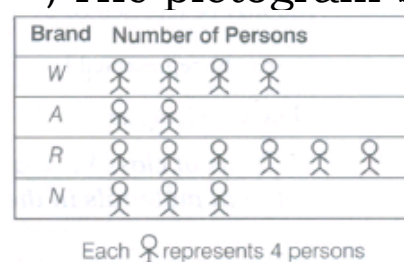
- Observe the pictograph and answer the following questions:
- (a) How many people have surname 'Roy'?
- (b) Which surname appears the maximum number of times in the telephone directory?
- (c) Which surname appears the least number of times in the telephone directory?
- (d) Which two surnames appear an equal number of times?
- 94) Following is the choice of sweets for 30 students of class VI. Ladoo, Batii, Ladoo, Jalebi, Ladoo, Rasgulla, Jalebi, Ladoo, Bari, Rasgulla, Ladoo, Jalebi, Jalebi, Rasgulla, Ladoo, Rasgulla, Jalebi, Ladoo, Rasgulla, Ladoo, Ladoo, Batti, Rasgulla, Rasgulla, Jalebi, Rasgulla, Ladoo, Rasgulla, Jalebi and Ladoo.
- (a) Arrange the names of sweets in a table using tally marks.
- (b) Which sweet is preferred by most of the students?
- 95) 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?
- 96) The following are the weight in kg of 20 students of a class 25, 16, 17, 15, 23, 10, 9, 15, 16, 17, 15, 16, 23, 25, 16, 15, 23, 9, 10, 16
- Prepare a frequency distribution table for the given data.

97) Following is the choice of sports for 20 students of class VI. Cricket, Football, Cricket, Tennis, Cricket, Badminton, Football, Cricket, Football, Tennis, Cricket, Badminton, Basketball, Football, Golf, Football, Hockey, Football Hockey, Cricket  
Arrange the names of sports in a table using tally marks.

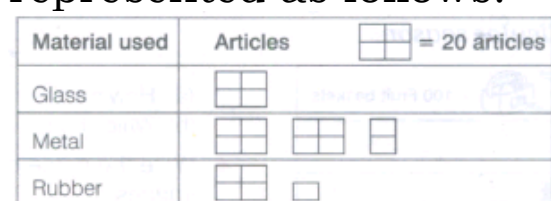
98) The pictogram shows the number of persons using various brands of perfumes.



- (a) How many persons use R brand?  
(b) Which brand is used by maximum number of persons?

99) A factory made 200 dolls on Monday, 500 dolls on Tuesday, 350 dolls on Wednesday and 400 dolls on Thursday. Represent the information in the form of pictograph.

100) Students of class VI in a school were given a task to count the number of articles made of different materials in the school. The information collected by them is represented as follows:



Observe the pictograph and answer the following questions.

- (a) Which material is used in maximum number of articles?  
(b) Which material is used in minimum number of articles?  
(c) Which material is used in exactly half the number of articles as those made up of metal?  
(d) What is the total number of articles counted by the students?

101) The number of tins of paint sold by three different shops are given below:

<b>Shops</b>	<b>Number of tins of paint</b>
Shop A	80
Shop B	140
Shop C	180

Draw a pictograph and answer the following questions.

- (a) What is the total profit of shop A, if the profit gained on each tin is 150?  
(b) If the total number of tins sold is 400, how many figures must be drawn for shop C?  
(c) Find the difference between the number of tins sold by shop B and the number of tins sold by shop C. Use scale = 20 tins.

102) The number of tablets sold by a company during a week are given below:

<b>Days</b>	<b>Mon</b>	<b>Tue</b>	<b>Wed</b>	<b>Thu</b>	<b>Fri</b>	<b>Sat</b>
<b>Number of tables sold</b>	4	16	24	8	12	20

Draw a pictograph using scale = 4 tablets and answer the following questions.

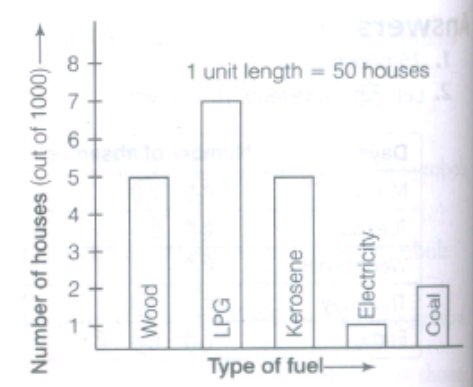
- (a) How many tablets sold during the week?  
(b) On which day, was the sale maximum?  
(c) How many tablets were sold on Wednesday?  
(d) How many tablets were sold on Monday?

103) Adjoining bar graph shows the number of students in different classes of a school. Read the graph and answer the following questions.

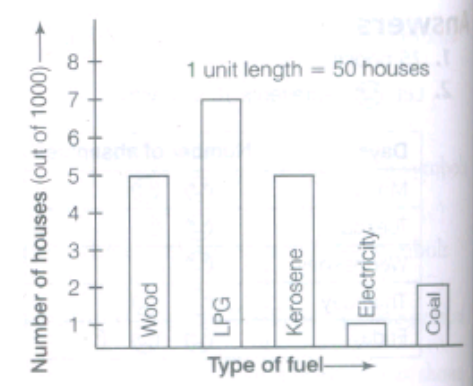
- (a) How many students are in class X?  
(b) How many students are in class VII?  
(c) How many students are in class IX?



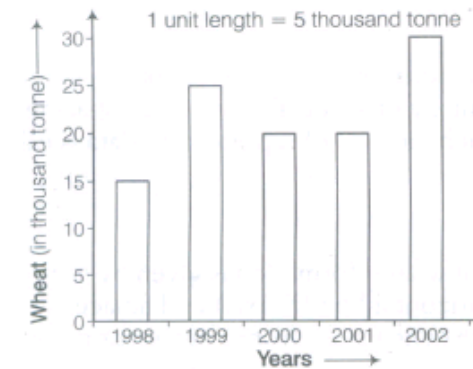
- 104) The Adjoining bar graph shows the number of houses (out of 1000) in a town using different types of fuels for cooking. Read the bar graph and answer the following questions.
- Which fuel is used in maximum number of houses?
  - How many houses using coal as fuel?
  - How many houses using LPG as fuel?



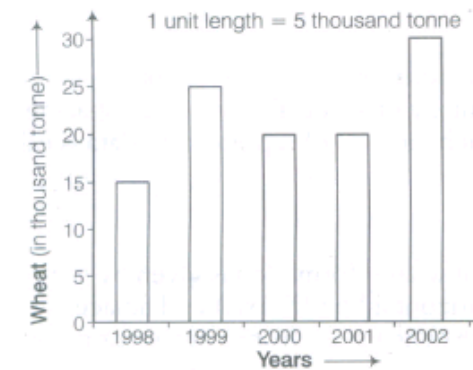
- 105) The Adjoining bar graph shows the number of houses (out of 1000) in a town using different types of fuels for cooking. Read the bar graph and answer the following questions.
- Which fuel is used in maximum number of houses?
  - How many houses using coal as fuel?
  - How many houses using LPG as fuel?



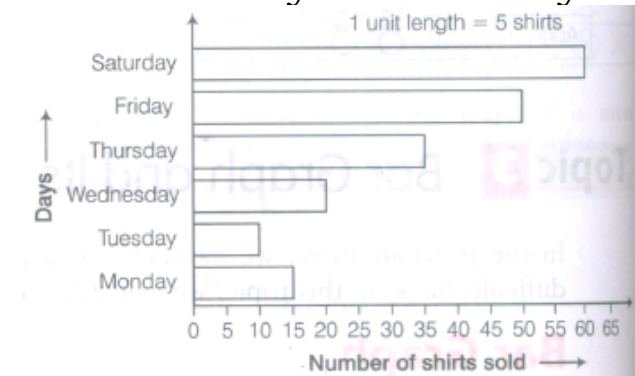
- 106) The bar graph given below shows the amount of wheat purchased by government during the year 1998 - 2002. Read the bar graph and write down your observations. In which year was
- the wheat production maximum?
  - the wheat production minimum?



- 107) The bar graph given below 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
- the wheat production maximum?
  - the wheat production minimum?



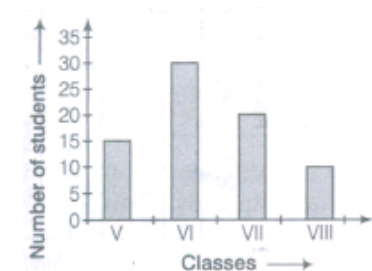
108) Observe this bar graph, which is showing the sale of shirts in a ready-made shop from Monday to Saturday.



Now, answer the following questions.

- What information does the above bar graph give?
- What is the scale chosen on the horizontal line representing number of shirts?
- On which day, were the maximum number of shirts sold? How many shirts were sold on that day?
- On which day, were the minimum number of shirts sold?
- How many shirts were sold on Thursday?

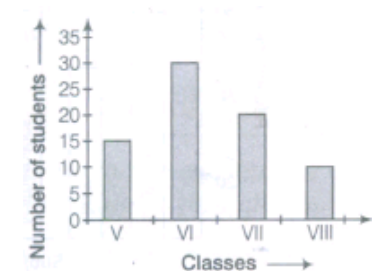
109) The following bar graph shows the number of people'TAJ MAHAL' over a period of 5 months.



Use the graph to answer the following questions.

- How many people visited the 'TAJ MAHAL' in April?
- How many more people visited the 'TAJ MAHAL' in May than in January?
- In which month, were there as many visitors as in March?
- In which month, were there 1500 more visitors than in January?
- How many visitors were there in 5 months?

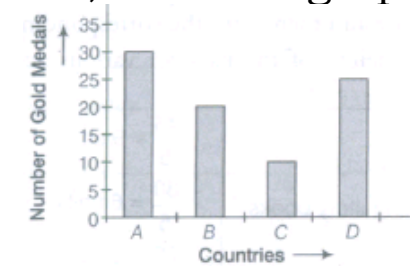
110) The following bar graph shows the number of people'TAJ MAHAL' over a period of 5 months.



Use the graph to answer the following questions.

- How many people visited the 'TAJ MAHAL' in April?
- How many more people visited the 'TAJ MAHAL' in May than in January?
- In which month, were there as many visitors as in March?
- In which month, were there 1500 more visitors than in January?
- How many visitors were there in 5 months?

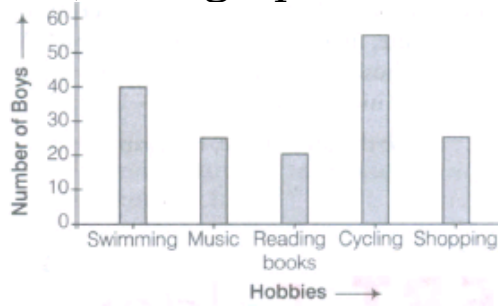
111) This bar graph shows the number of gold medals won by 4 countries in an event.



Use the graph to answer the following questions.

- How many gold medals did D win?
- How many gold medals did B win?
- How many more gold medals did Dwin than C?
- Which country won the most gold medals?
- How many gold medals did A and D win altogether?

112) This graph shows the number of boys, who have different types of hobbies.

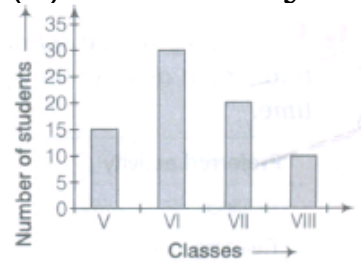


Use the graph to answer the following questions.

- Which is the most popular hobby among the boys?
- Which is the least popular hobby among the boys?
- What is the total number of boys, who participated in the survey?
- Which two hobbies are equally popular among the boys?

113) This bar graph shows the number of students in a coaching centre. Use the bar graph to answer the following questions.

- How many students are there in class VII?
- How many more students in class V than class VIII are there?
- How many students are there in the coaching centre?
- How many more class VI students than class VII are there?



114) The percentage of marks secured by Karan in an examination are given below:

Subject	English	Hindi	Maths	Science	Social Science
Percentage	80	60	90	50	20

Draw the bar graph to represent the above information.

115) 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

- In which year, were the maximum number of bicycles manufactured?
- In which year, were the minimum number of bicycles manufactured?

116) The birth rate in five countries over a period of time is shown below:

Country	India	UK	Japan	America	Bhutan
Birth rate per thousand	50	40	25	30	60

- Represent the data by bar graph.
- Which country has least birth rate?

117) The following table shows the ages of 5 people. Illustrate this data using a bar graph and answer the following questions.

Name of the person	A	B	C	D	E
Ages (in years)	35	25	40	30	50

- Who is twice as old as B?
- Who is the youngest of all?
- By how many years, is A older than D?



118) The following table shows the growth of a baby in 6 months.

Months	March	April	May	June	July	August
Mass gained (in grams)	300	200	500	450	250	100

Draw a bar graph to represent the above information and answer the following questions.

- (a) In which month, did the baby gain the most mass?
- (b) What is the total mass gained by the baby in 6 months?
- (c) In which month, was the mass gained twice that of July?
- (d) What was the least mass gained by the baby in a month?

119) The following table shows the number of stamps collected by 5 children.

Students	A	B	C	D	E
Number od stamps	60	40	70	50	30

Draw a bar graph and answer the following questions.

Use the graph to answer the following questions.

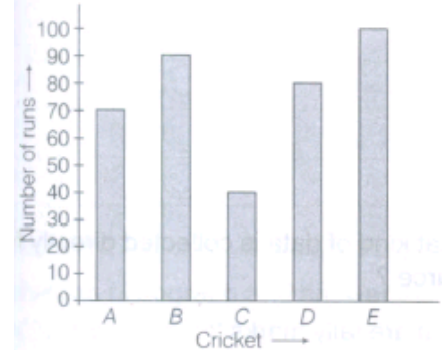
- (a) How many stamps did D have?
- (b) Who had the most stamps?
- (c) How many stamps did A and E have altogether?
- (d) Who had the least stamps?
- (e) How many stamps did the 5 children have altogether?

120) A survey was done to find out the number of hours students spend on homework per day. The results are tabulate as shown in the table.

Hours	Tally	Frequency
0		
1	⌚	3
2		
3		7
4		
5		

- a)Complete the table and represent the results using a bar graph.
- b) How many students were surveyed?

121) The following graph shows the runs scored by some cricketersin a selection test. Study the graph carefully and answer the questions.



- (a) If 50 is the qualifying run, who failed the test?
- (b) Who scored highest in the test?

122) The blood groups of 25 students are recorded as follows:

A, B, O, A, AB, O, A, O, B, A, O, B, A, AB, AB, A, A, B, B, O, B, AB, O, A, B.  
Arrange the information in a table using tally marks.

123) The following pictograph depicts the information about the areas in sq km (to nearest hundred) of some districts of Chhattisgarh State.

District	Area (in km <sup>2</sup> )	⊗ = 1000 sq km
Raigarh	⊗ ⊗ ⊗ ⊗ ⊗ ⊗ ⊗	
Rajnandgaon	⊗ ⊗ ⊗ ⊗ ⊗ ⊗ ⊗	
Koria	⊗ ⊗ ⊗ ⊗ ⊗ ⊗	
Mahasamund	⊗ ⊗ ⊗ ⊗ ⊗	
Jashpur	⊗ ⊗ ⊗ ⊗ ⊗ ⊗ ⊗	

- (a) What is the area of Karia district?
- (b) Which two districts have the same area?
- (c) How many districts have area more than 5000 square kilometres?

124) Rakesh is playing with a dice. He threw the die 40 times and noted the outcomes as follows.

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

Prepare a table using tally marks.

125) Thirty students were interviewed to find out who they want to be in future. Their responses are listed as below:

doctor, engineer, doctor, pilot, officer, doctor, engineer, doctor, pilot, officer, pilot, engineer, officer, pilot, doctor, engineer, pilot, officer, doctor, officer, doctor, pilot, engineer, doctor, pilot, officer, doctor, pilot, doctor, engineer.

Arrange the data in a table using tally marks.

126) Students on roll of a school during 4 years is given in the following pictograph.

Years	Number students
2006	300
2007	400
2008	350
2009	500

★ - represents 100 students.

Answer the following questions.

(a) How many students were on roll in year 2007?

(b) How many students were more in 2009 than 2008?

127) Population of Delhi in four different census years is given below

CENSUS YEARS	1950	1960	1970	1980
POPULATION (IN LAKHS)	30	40	60	70

Represent the data with the help of bar graph.

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

1356635416

2534615561

1223524556

5162352415

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.

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

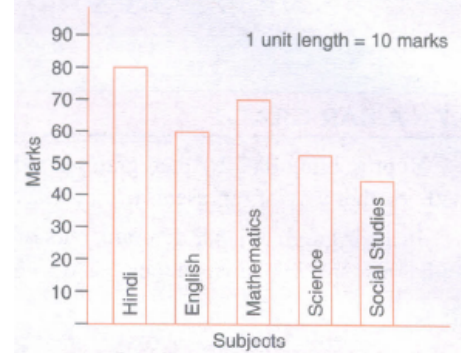
Answer the given questions.

(a) What information does the bar graph give?

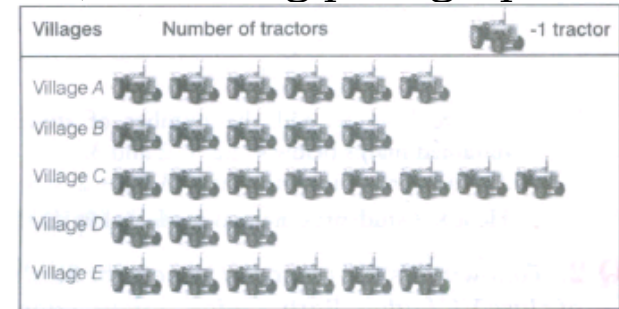
(b) Name the subject in which Aziz scored maximum marks.

(c) Name the subject in which he has scored minimum marks.

(d) State the name of the subjects and marks obtained in each of them.



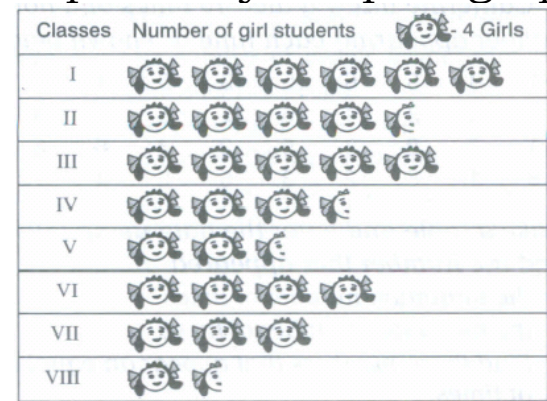
130) Following pictograph shows the number of tractors in five villages.



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?

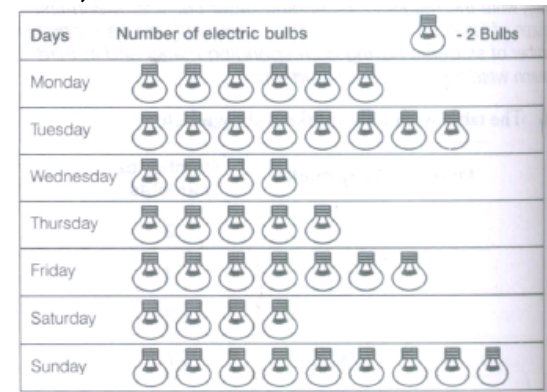
131) The number of girl students in each class of a co-educational middle school is depicted by the pictograph.



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?

132) The sale of electric bulbs on different days of a week is shown below



Observe the pictograph and answer the following questions.

- (a) How many bulbs were sold on Friday?
- (b) On which day, were the maximum number of bulbs sold?
- (c) On which of the days, same number of bulbs were sold?
- (d) On which of the days, minimum number of bulbs were sold?
- (e) If one big carton can hold 9 bulbs. How many cartons were needed in the given week?

133) In a Mathematics test, the following marks were obtained by 40 students. Arrange these marks in a table using tally marks.

8 1 3 7 6 5 5 4 4 2  
4 9 5 3 7 1 6 5 2 7  
7 3 8 4 2 8 9 5 8 6  
7 4 5 6 9 6 4 4 6 6

- (a) Find how many students obtained marks equal to or more than 7.
- (b) How many students obtained marks below 4?

134) Total number of animals in five villages are as follows:

Villages	Number of animals
Village A	80
Village B	120
Village C	90
Village D	40
Village E	60

Prepare a pictograph of these animals using OR symbol  $\otimes$  to represent 10 animals and answer the following questions.

- How many symbols represent animals of village E?
- Which village has the maximum number of animals?
- Which village has more animals: village A or village C?

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

Years	Number of students
1996	400
1998	535
2000	472
2002	600
2004	623

(A) Prepare a pictograph of students using one symbol to represent 100 students and answer the following questions.

- How many symbols represent total number of students in the year 2002?
- How many symbols represent total number of students in the year 1998?

(B) Prepare another pictograph of students using any other symbol each representing 50 students. Which pictograph do you find more informative?

136) 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 story books	30
Watching TV	20
Listening to music	10
Painting	15

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

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

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

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

138) Number of persons in various age groups in a town is given in the following table

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

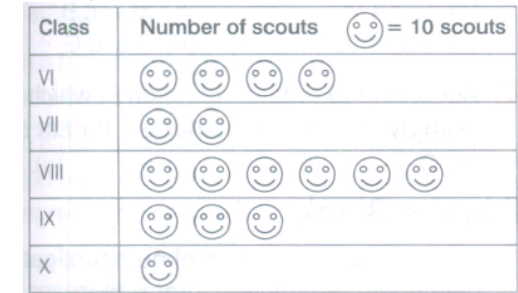
Draw a bar graph to represent the above information and answer the following questions.

(take 1 unit length = 20 thousands)

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



139) The number of scouts in a school is depicted by the following pictograph.



Observe the pictograph and answer the following questions.

- (a) Which class has the minimum number of scouts?
- (b) Which class has the maximum number of scouts?
- (c) How many scouts are there in class VI?
- (d) Which class has exactly four times the scouts as that of class X?
- (e) What is the total number of scouts in the classes VI to X?

140) The sale of cars of Maruti Udhog in the city of Delhi from January to June in a year are as follows:

Take 🚗 = 50 cars.

Months	January	February	March	April	May	June
Number of cars	350	400	250	200	350	200

Represent them as a pictograph.

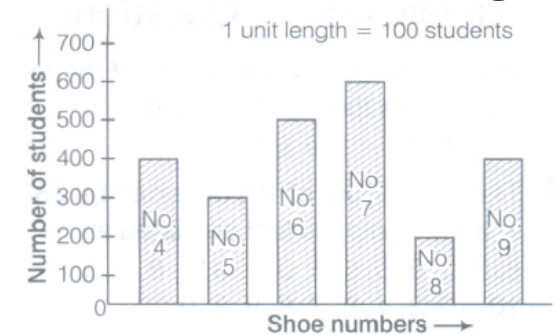
141) In a botanical garden, the number of different types of plants are found as follows:

Type of the plants	Number of plants
Herb	50
Shrub	60
Creeper	20
Climber	45
Tree	95

Draw a bar graph to represent the above information and answer the following questions.

- (a) Which type of plant is maximum in number in the garden?
- (b) Which type of plant is minimum in number in the garden?

142) Read the following bar graph and answer the questions given below.



- (i) What does this bar graph represent?
- (ii) Mention the different number of shoes worn by the students.
- (iii) Which shoe number is worn by maximum number of students?
- (iv) Which shoe number is worn by minimum number of students?
- (v) How many students worn shoe number 9?
- (vi) Find total number of students in the school.

143) Soniya saves Rs 500 in January, Rs 700 in February, Rs 600 in March, Rs 750 in April and Rs 900 in May.

- (a) Draw a bar graph to represent Soniya's saving.
- (b) In which month, her saving is maximum?
- (c) What value is depicted by Soniya?

144) Fill in the blanks in the following table, which represents shirt size of 40 students of a school.

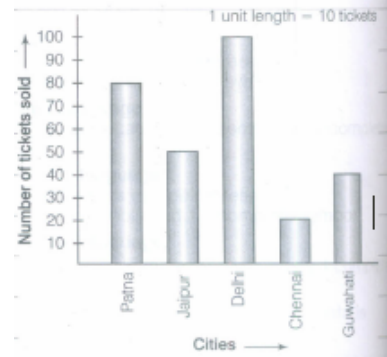
Shirt size	Tally marks	Number of students
30	I I I	3
32		-
34	-	8
36		-
38	I I I I _	10
40	-	7

145) The following table gives information about the circulation of newspapers (dailies) in a town in five languages.

Language	English	Hindi	Tamil	Punjabi	Gujarati
Number of newspapers	5000	8500	500	2500	1000

Prepare a pictograph of the above data, using a symbol of your choice.

146) The following graph gives the information about the number of railway tickets sold for different cities on a railway ticket counter between 6 : 00 am to 10 : 00 am.

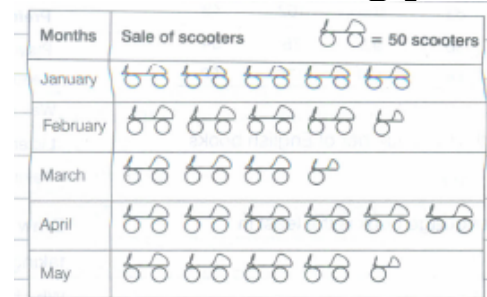


Read the bar graph and answer the following questions .

- (a) How many tickets were sold in all?
- (b) For which city, were the maximum number of tickets sold?
- (c) For which city, were the minimum number of tickets sold?
- (d) Name the cities for which the number of tickets sold is more than 20.
- (e) Fill in the blank.

Number of tickets sold for Delhi and Jaipur together exceeds the total number of tickets sold for Patna and Chennai by\_\_\_\_\_

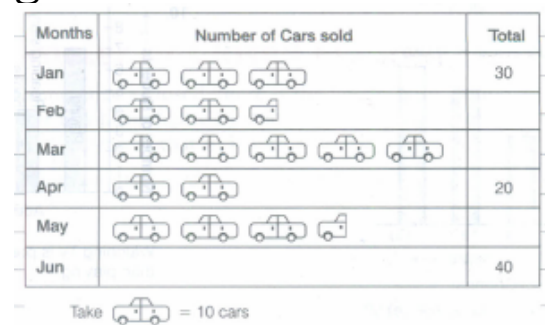
147) The following pictograph shows the sale of scooters during 5 months of 2010.



Answer the following questions

- (i) In which month, the sale of scooters in maximum?
- (ii) In which month, sale of scooters is minimum?
- (iii) How many scooters were sold in May?
- (iv) Find the revenue in March, if each scooter's cost is Rs.25000.

148) The number of cars sold over a period of six months is represented in a pictograph given below



- (b) Which month has the highest number of cars being sold?
- (c) Find the ratio of the number of cars sold in April to the number of cars being sold in June.



149) The following table shows the number of books in each shelf of different languages in a library. Study the table and answer the questions.

SHELF NUMBER	MALAY	CHINESE	ENGLISH	TAMIL
1	73	112	158	64
2	83	100	102	49
3	56	92	75	54
4	66	138	175	59

- (i) What is the total number of English books in the library?
- (ii) Which language book is the least in number?
- (iii) What is the difference between the least number of language books and greatest number of language books?
- (iv) How many more Chinese books than Malay books are there in shelf number 4?
- (v) What is the total number of books in shelf number 2?

150) A survey of 100 school students was done to find which activity they prefer to do in their free time.

PREFERRED ACTIVITY	NUMBER OF STUDENTS
Playing	35
Reading story books	20
Watching TV	30
Listening to music	10
Painting	5

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?

151) Along with your friends, think of five more situations where we can have data. For this data, construct the tables and represent them using bar graphs.

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