



## MATHS

### BOOKS - SUBHASH PUBLICATION

### DATA HANDLING

#### Exercise

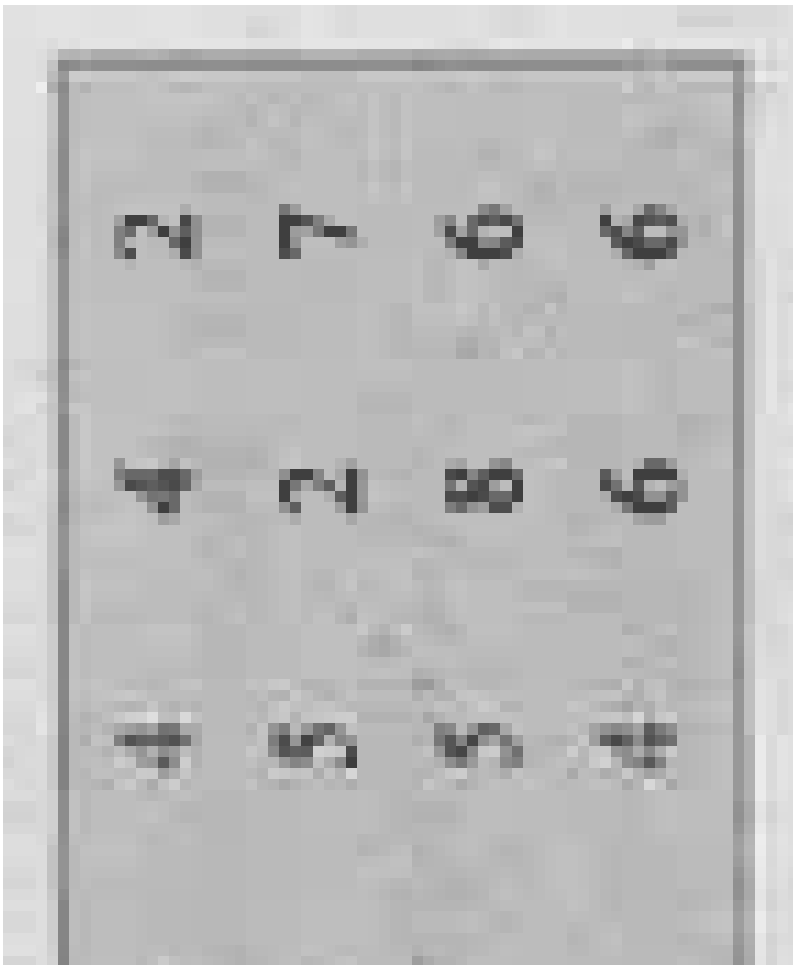
1. In a Mathematics test, the following marks were obtained by 40 students. Arrange these marks in a table using tally marks. (a) Find how many students obtained marks equal to or more than 7.



q1-in-a-mathematics-test-the-f | LIDO



2. In a Mathematics test, the following marks were obtained by 40 students. Arrange these marks in a table using tally marks. (b) How many students obtained marks below 4?



5 6 9 4

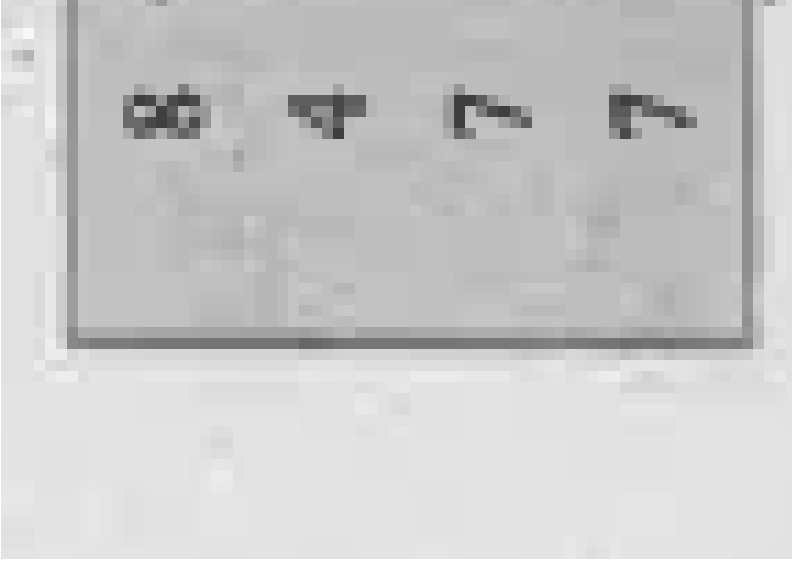
5 1 8 6

6 7 2 9

7 3 4 6

3 5 8 5

1 9 3 4



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3. 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.

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4. 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. (b) Which sweet is preferred by most of the students?

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



q3-catherine-threw-a-dice-40-t | LIDO

Make a table and enter the data using tally marks. Find the number that appeared. (a) The minimum number of times



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



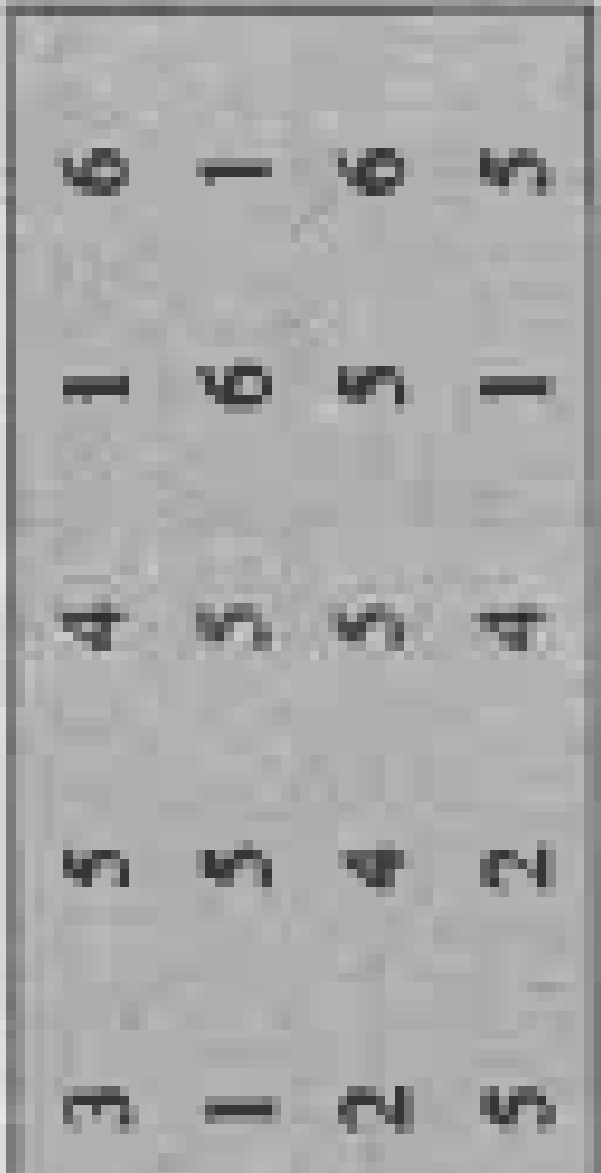
q3-catherine-threw-a-dice-40-t | LIDO

Make a table and enter the data using tally marks. Find the number that appeared. (b) The maximum number of times



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7. Catberube tgrew a duce 40 times and noted the number appearing each time as shown below :



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

0 0 5 5

0 4 5 2

5 5 2 0

5 5 2 1

1 2 1 5

Make a

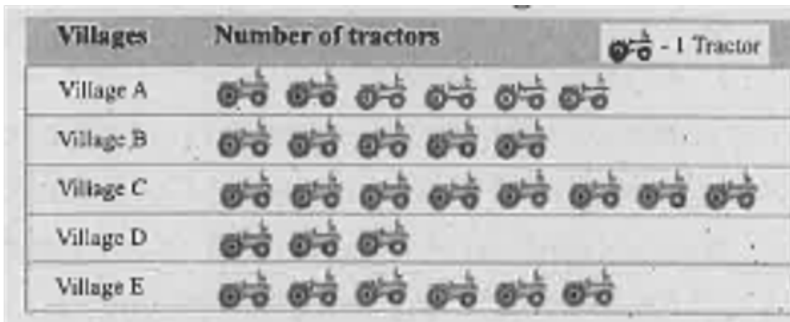
table and enter the data using tally marks. Find the



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

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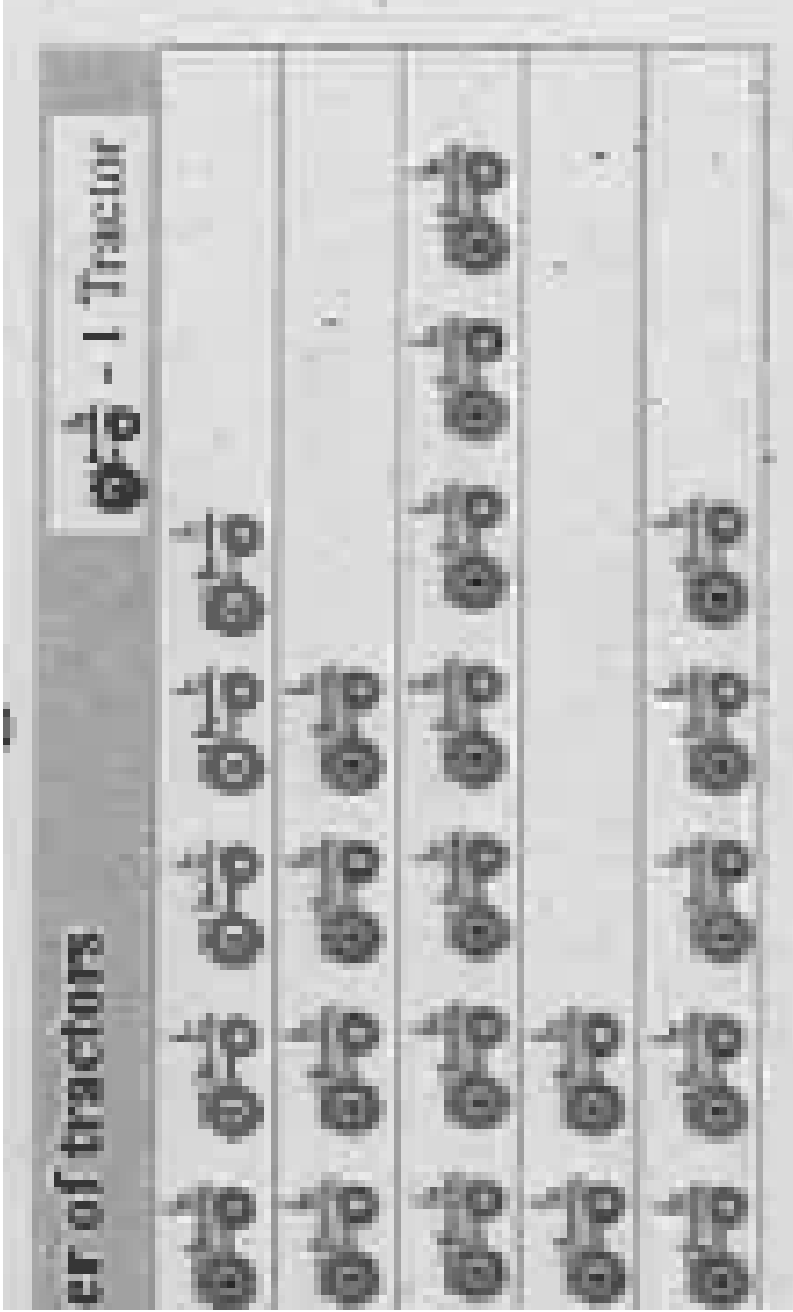
8. Following pictograph shows the number of tractors in five villages.



observe the pictograph and answer the following questions. (i) Which village has the minimum number of tractors?

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9. Following pictograph shows the number of tractors in five villages.





Observe

the pictograph and answer the following questions. (ii)

Which village has the maximum number of tractors?

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10. Following pictograph shows the number of tractors in five villages.



q4-following-pictograph-shows- | LIDO

Observe the pictograph and answer the following questions. ( iii) How many more tractors village C has as compared to village B.

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11. Following pictograph shows the number of tractors in five villages.

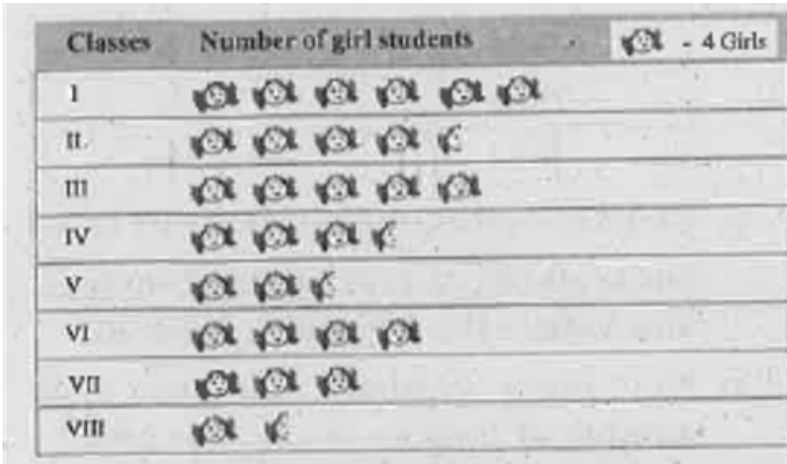


q4-following-pictograph-shows- | LIDO

Observe the pictograph and answer the following questions. (iv) What is the total number of tractors in all the five villages?

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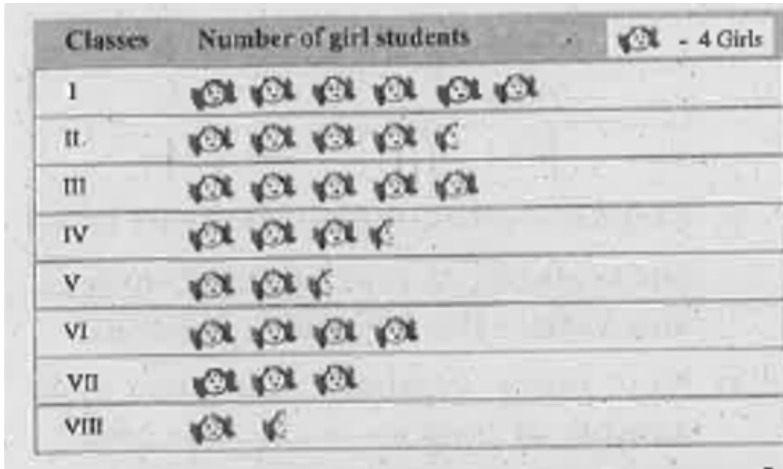
12. The number of girl students in each class of a co-educational middle school is depicted by the pictograph:



Observe this pictograph and answer the following questions : (a) Which class has the minimum number of girl students?

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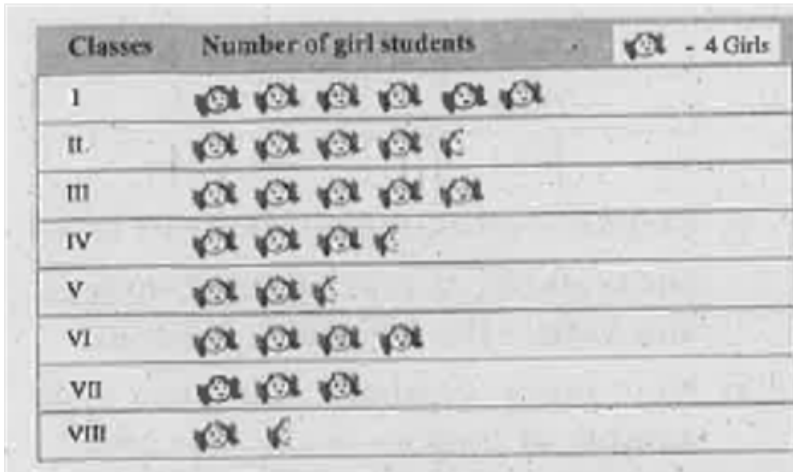
13. The number of girl students in each class of a co-educational middle school is depicted by the pictograph:



Observe this pictograph and answer the following questions : (b) Is the number of girls in class VI less than the number of girls in Class V?

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14. 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 : ( c) How many girls are there in Class VII ?

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15. The sale of electric bulbs on different days of a week is shown below:

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

Observe the

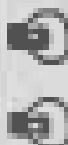


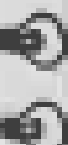

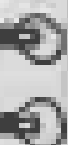



pictograph and answer the following questions : (a) How many bulbs were sold on Friday?



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**16.** The sale of electric bulbs on different days of a week is shown below:









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

Observe the

pictograph and answer the following questions : (b) On which day were the maximum number of bulbs sold?

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17. The sale of electric bulbs on different days of a week is shown below:

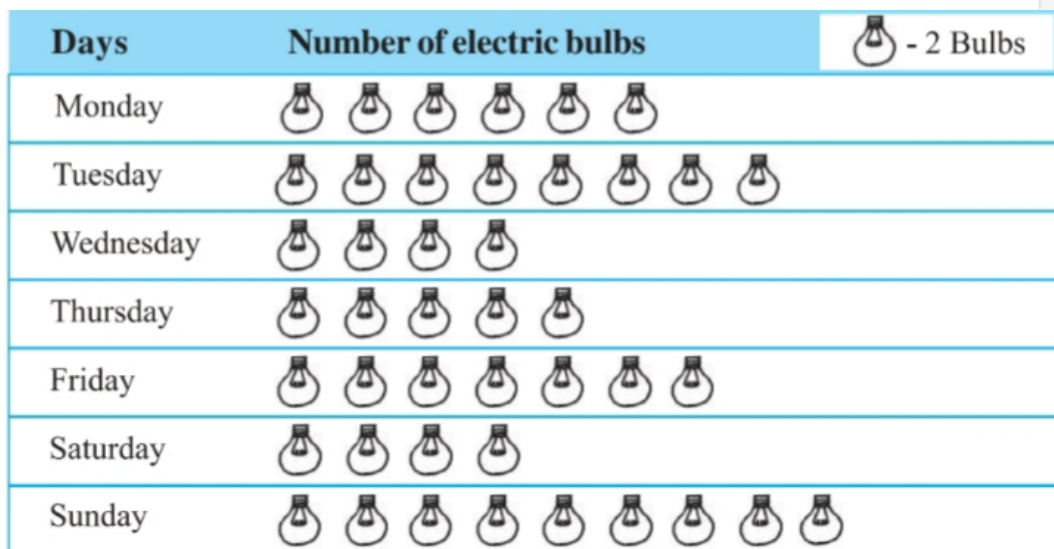
Days	Number of electric bulbs	 - 2 Bulbs
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		
Saturday		
Sunday		

Observe the pictograph and answer the following questions

: ( c) On which of the days same number of bulbs were sold?

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18. The sale of electric bulbs on different days of a week is shown below:

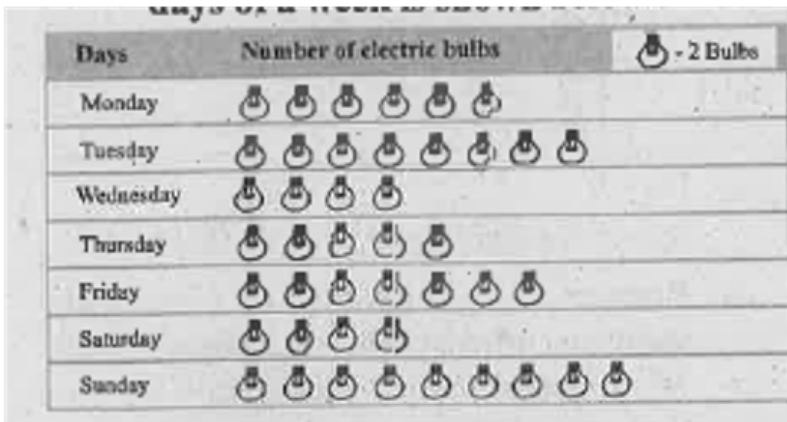


Observe the pictograph and answer the following

questions : (d) On which of the days minimum number of bulbs were sold?

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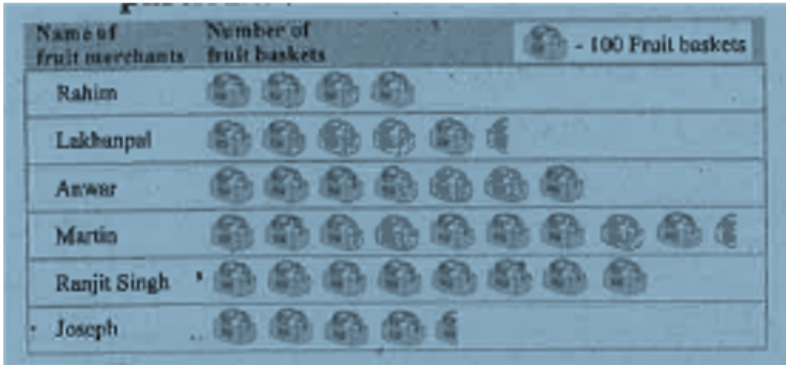
19. The sale of electric bulbs on different days of a week is shown below:



Observe the pictograph and answer the following questions : (e) If one big carton can hold 9 bulbs. How many cartons were needed in the given week ?

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20. 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?



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21. 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: (b) How many fruit baskets were sold by Anwar?

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22. In a village six fruit merchants sold the following number of fruit baskets in a particular season :



Name of fruit merchants

Number of fruit baskets

- 100 Fruit baskets

Rahim				
Lakshmpal				
Anwar				
Martin				
Ranjit Singh				
Joseph				

Observe



this observe this pictograph and answer the following questions: ( c) The marchants 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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**23.** Total number of animals in five villages are as follows :  
Village A : 80 Village B : 120 Village C : 90 Village D : 40  
Village E : 60 Prepare a pictograph of thes animals using one symbol X to represent 10 animals and answer the following question : (a) How many symbols represent animals of village E?

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**24.** Total number of animals in five villages are as follows :

Village A : 80 Village B : 120 Village C : 90 Village D : 40

Village E : 60 Prepare a pictograph of these animals using

one symbol X to represent 10 animals and answer the

following question : (b) Which village has the maximum

number of animals?



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**25.** Total number of animals in five villages are as follows :

Village A : 80 Village B : 120 Village C : 90 Village D : 40

Village E : 60 Prepare a pictograph of these animals using

one symbol X to represent 10 animals and answer the

following question : (c) Which village has more animals :

village A or village C ?



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26. Total number of students of a school in different years is shown in the following table A. Prepare a pictograph of students using one symbol ? To represent 100 students and answer the following questions: (a) How many symbols represent total number of students in the year 2002?


2000	472
2002	600
2004	623

2000	472
2002	600
2004	623



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

 Pictograph A pictograph can be used to represent data in the form of pictures, objects or parts of objects. A pictograph represents data through pictures of objects. It helps answer the questions on the data at a glance.


Problem: Total number of students of a ...

A. Prepare a pictograph of students using one symbol ? To represent 100 students and answer the following questions: (b) How many symbols represent total number of students in the year 1998?



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

 Pictograph A pictograph can be used to represent data in the form of pictures, objects or parts of objects. A pictograph represents data through pictures of objects. It helps answer the questions on the data at a glance.

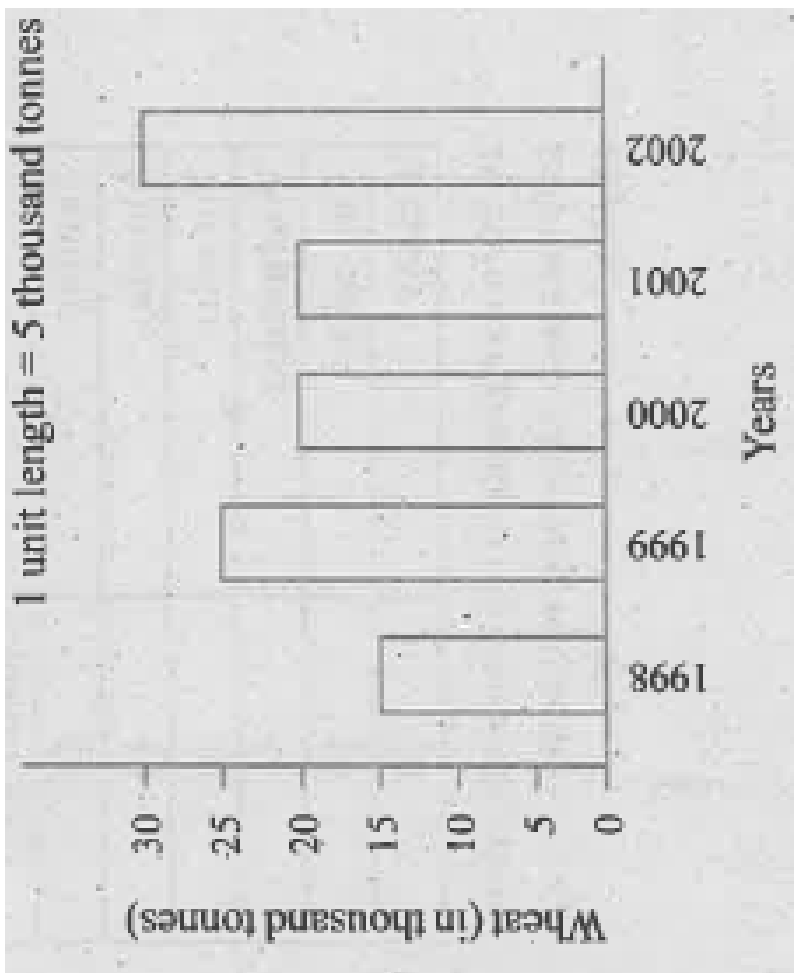
Problem: Total number of students of a ...

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



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29. 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?

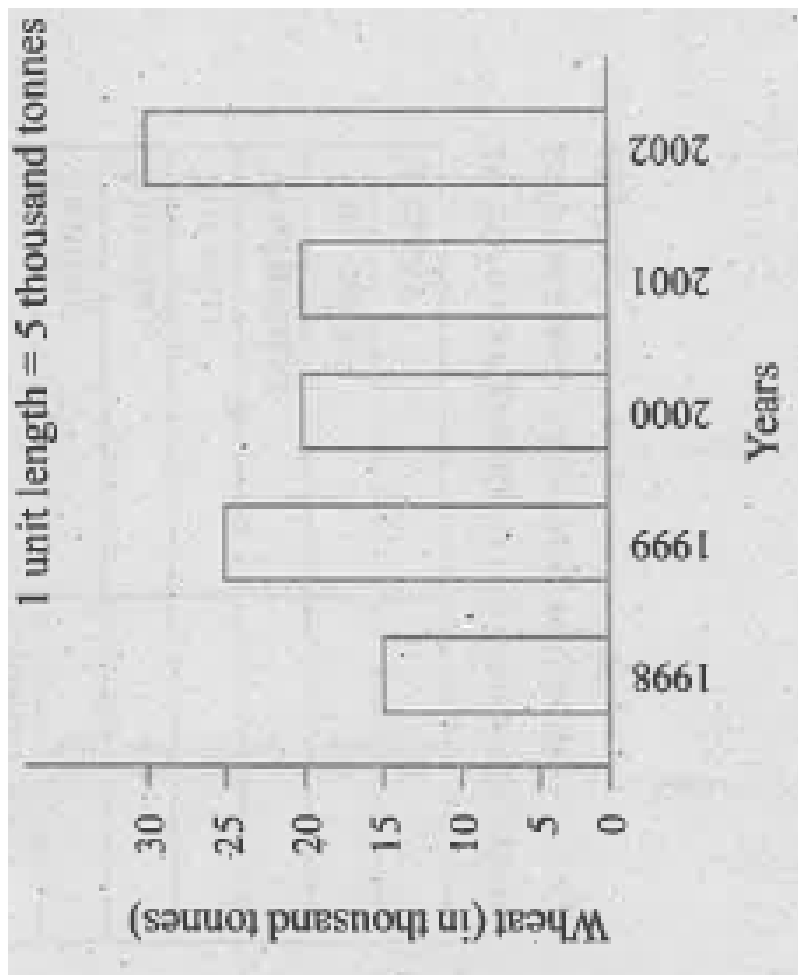




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**30.** The bar graph given alongside shows the amount of wheat purchased by government during the year 1998-2002. Read the bar graph and write down your observations. In which year was (b) the wheat production

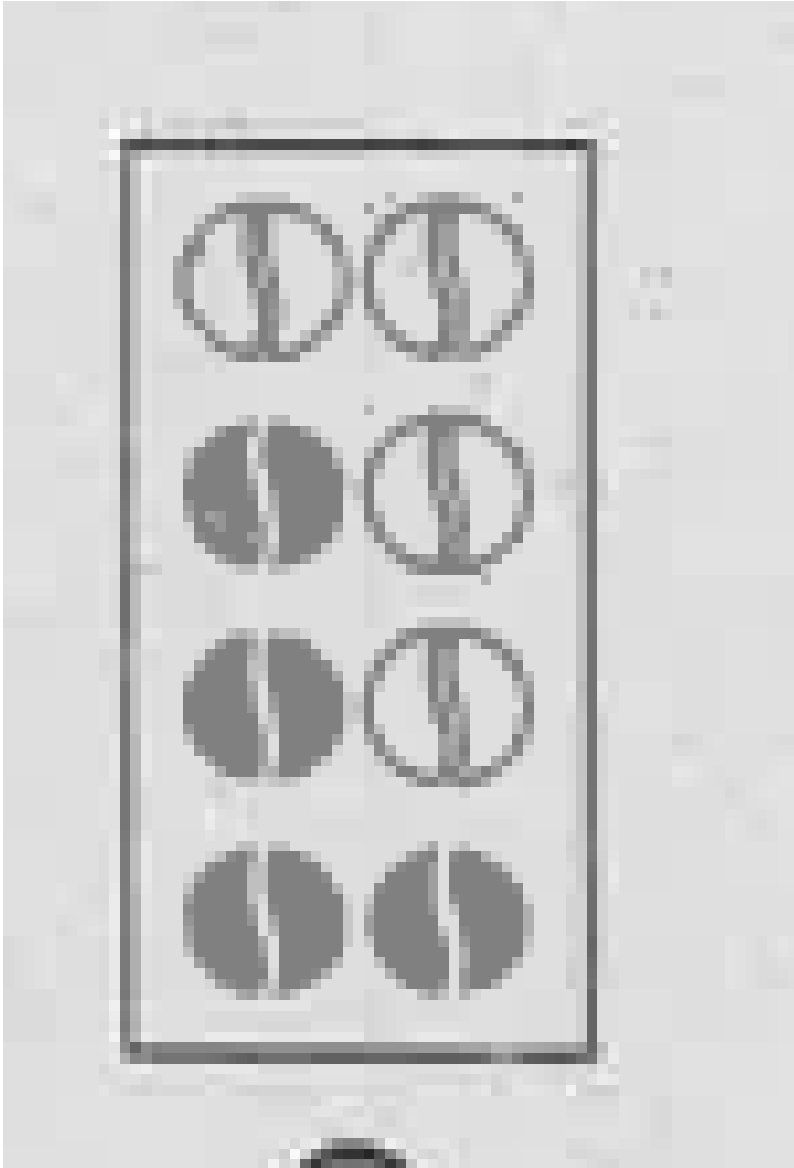
minimum?



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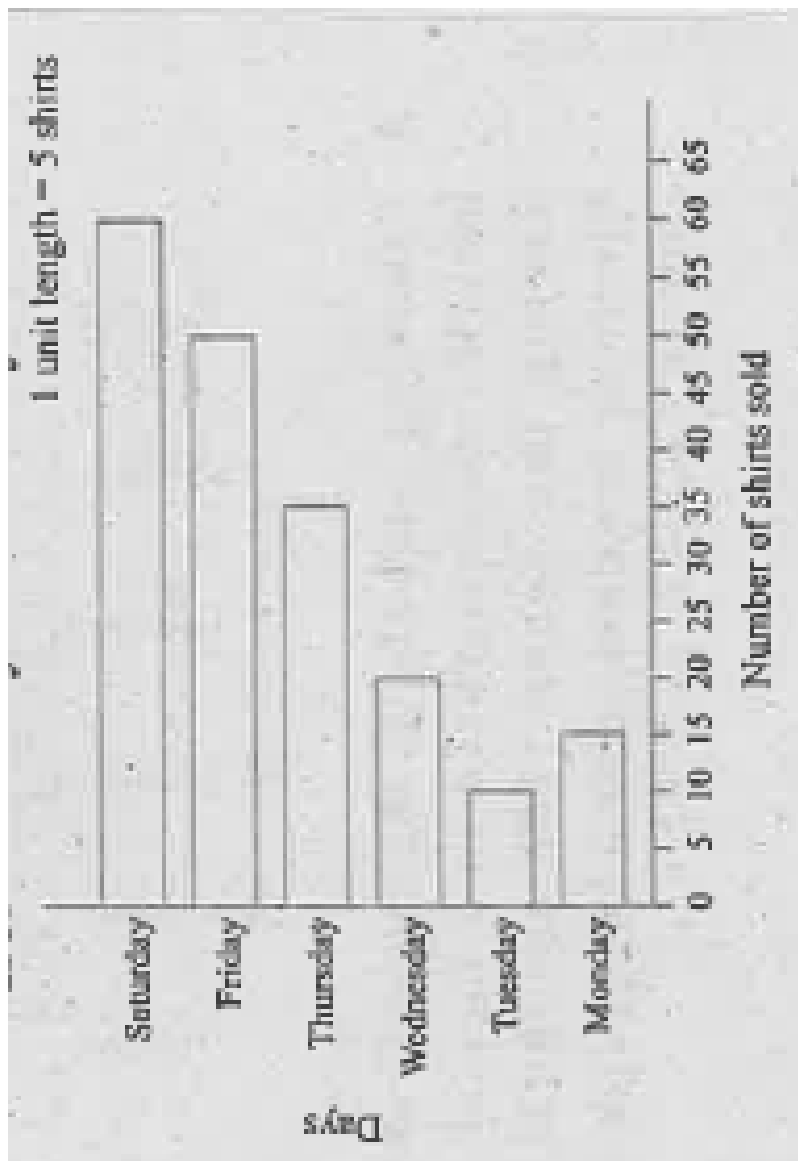
31. Write the fraction representing the shaded portion.(iii)



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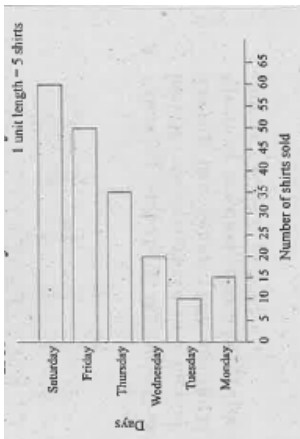
**32.** Observe this bar graph which is showing the sale of shirts in a ready made shop from Monday to Saturday. Now answer the following questions : (b) What is the scale chosen on the horizontal line representing number of

shirts?



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**33.** 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 : (

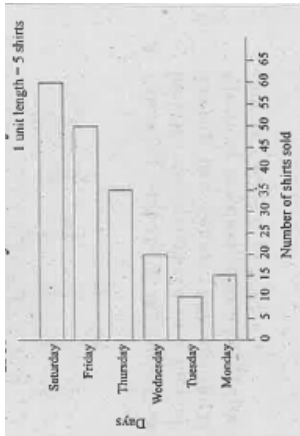
c) On which day were the maximum number of shirts sold?

How many shirts were sold on that day?

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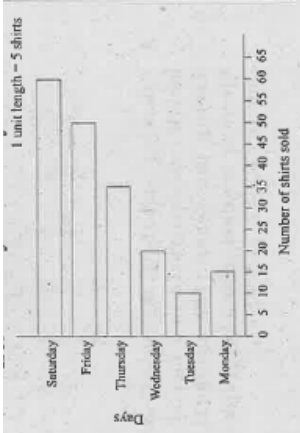
**34.** Observe this bar graph which is showing the sale of shirts in a ready made shop from Monday to Saturday. Now answer the following questions : (d) On which day were the

minimum number of shirts sold?



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**35.** 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 : (e)

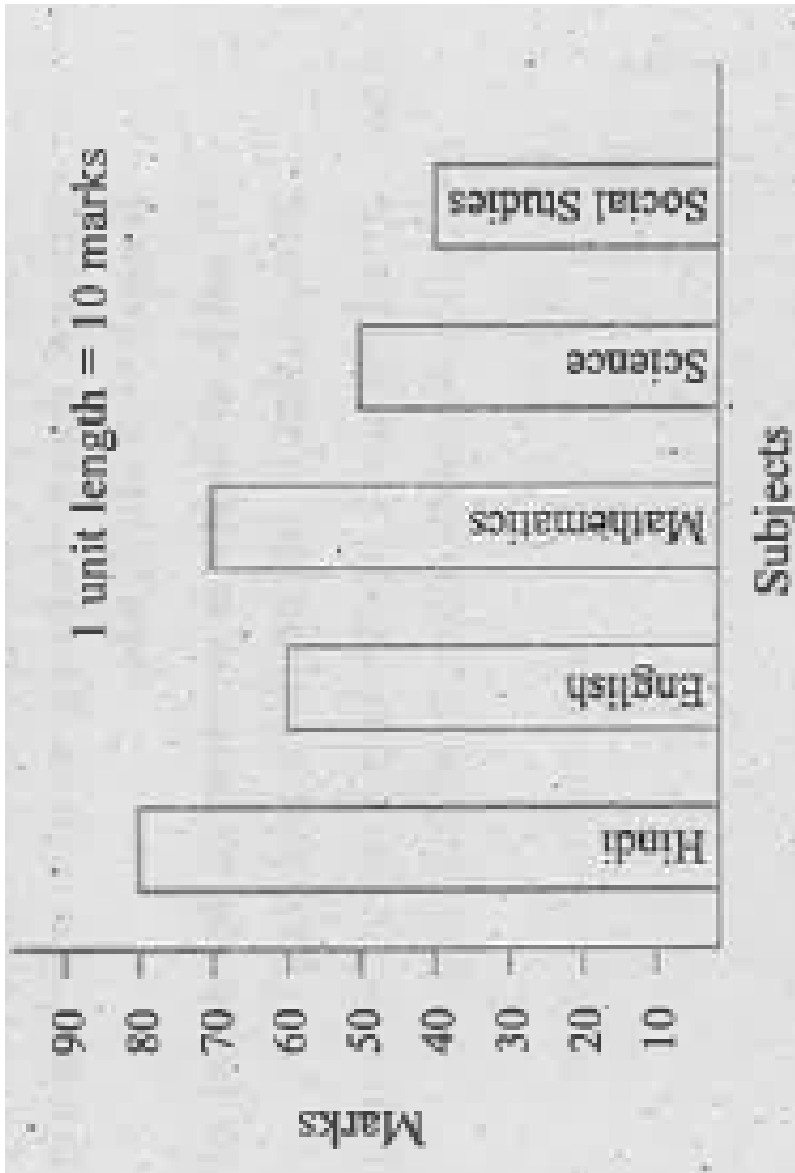
How many shirts were sold on Thursday?



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**36.** 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?

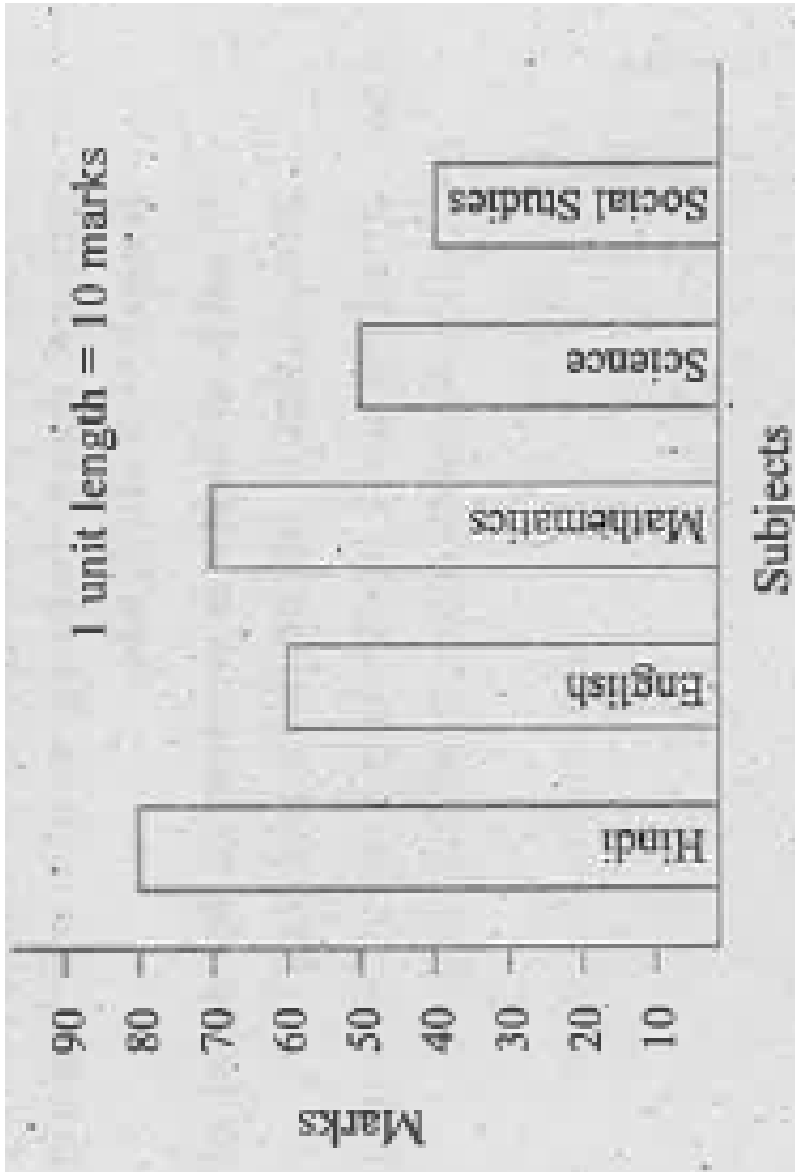


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**37.** Observe this bar graph which shows the marks obtained by Aziz in half-yearly examination in different subjects. Answer the given questions. (b) Name the subject

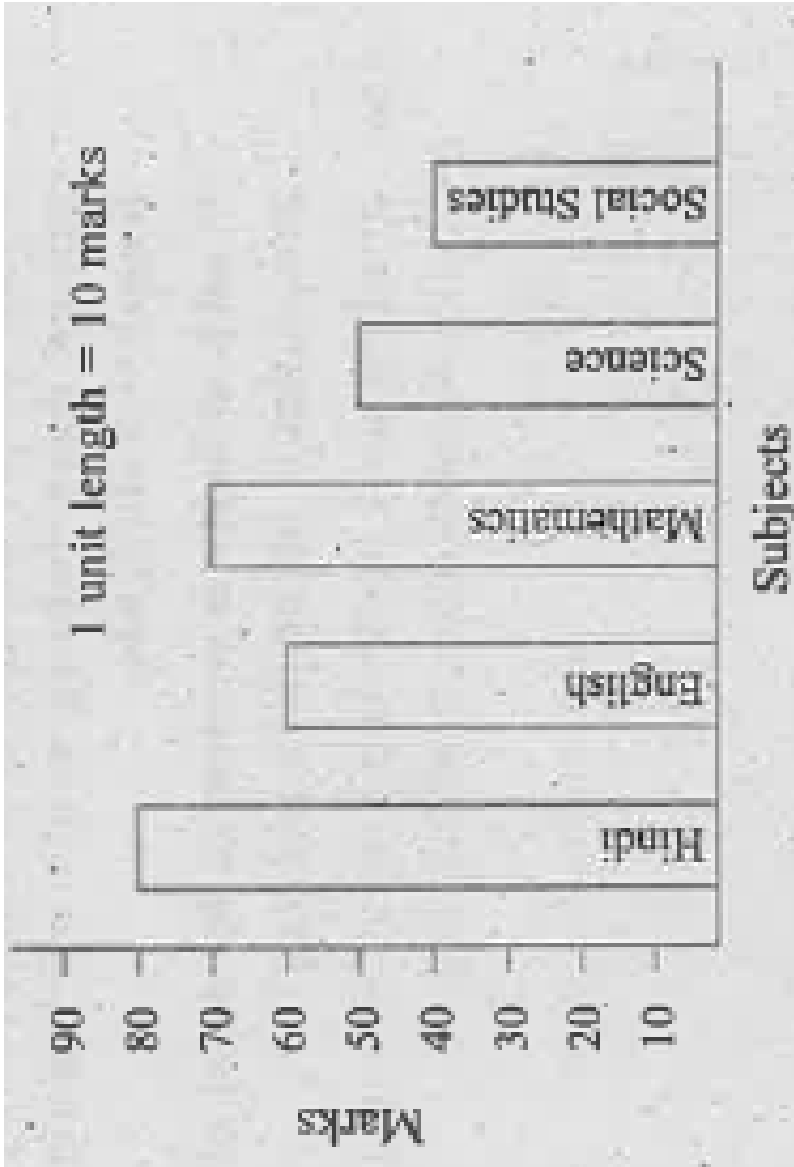


in which Aziz scored maximum marks.



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

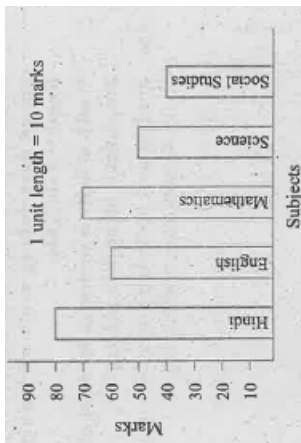


Answer the

answer the given questions. ( c ) Name the subject in which he has secured minimum marks.

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



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

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40. 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

41. 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

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

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42. Follownig table shows the number of bicycles manufactured in a factory during the years 1998 to2002. Illustrate this data using a bar graph. Choose a scale of

your choice.

<b>Years</b>	<b>Number of bicycles manufactured</b>
<b>1998</b>	<b>800</b>
<b>1999</b>	<b>600</b>
<b>2000</b>	<b>900</b>
<b>2001</b>	<b>1100</b>
<b>2002</b>	<b>1200</b>

(a) In

which In In which year were the maximum number of bicycles manufactured?



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**43.** Follownig table shows the number of bicycles manufactured in a factory during the years 1998 to2002. Illustrate this data using a bar graph. Choose a scale of your choice.

<b>Years</b>	<b>Number of bicycles manufactured</b>
<b>1998</b>	<b>800</b>
<b>1999</b>	<b>600</b>
<b>2000</b>	<b>900</b>
<b>2001</b>	<b>1100</b>
<b>2002</b>	<b>1200</b>

(b) In

which In In which year were the minimum number of bicycles manufactured?





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

<b>Number of persons</b>
<b>2 lakhs</b>
<b>1 lakh 60 thousands</b>

thousands

thousands

usands

usands

Source:

**Age group  
(in years)**

1-14

15-29

30-44	1 lakh 20
45-59	1 lakh 20
60-74	80 tho
75 and above	40 tho

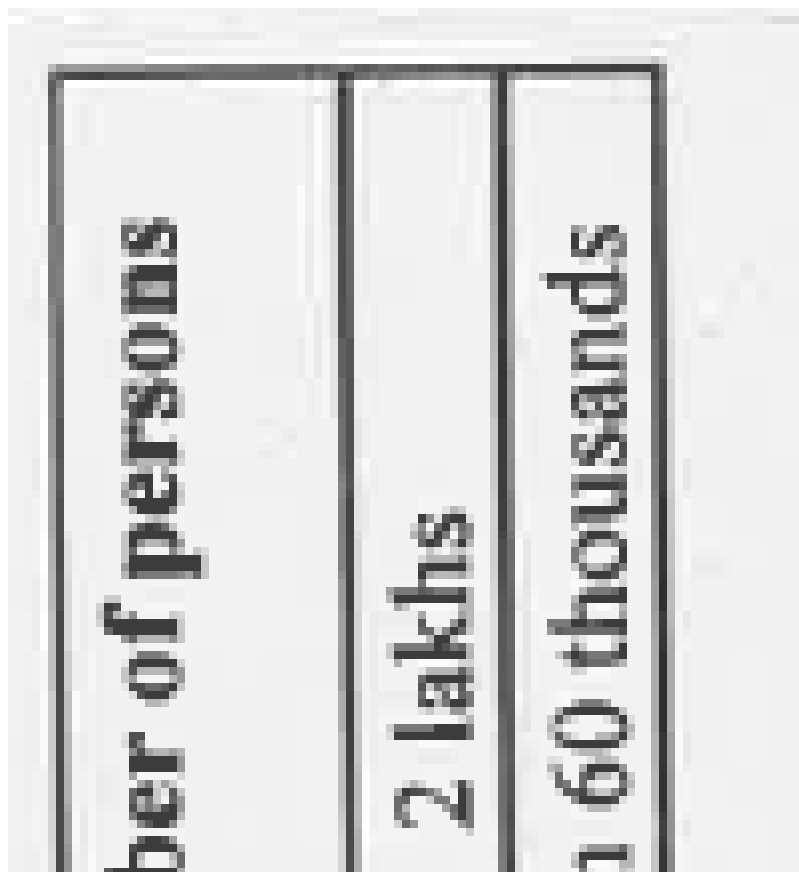
Draw a bar

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?

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



Number of persons	2 lakhs	160 thousands

ands

ands

s

s

**Age group  
(in years)**

1-14

15-29

**Numl**

1 lakl

30-44	1 lakh 20 thousand
45-59	1 lakh 20 thousand
60-74	80 thousand
75 and above	40 thousand

Draw a bar

Draw a bar graph to represent the above information and

answer the following questions. (take 1 unit length = 20 thousands) (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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