MATHS

BOOKS - MBD

DATA HANDLING

Example

1. In a mathematics test 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 3 5 8 6 7 4 5 6 9 6 4 4 6 6

Find how many students obtained marks equal to or more than 7?

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2. In a mathematics test 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 3 5 8 6 7 4 5 6How many students obtained marks below 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.

Arrange the names of sweets in a table uing 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.

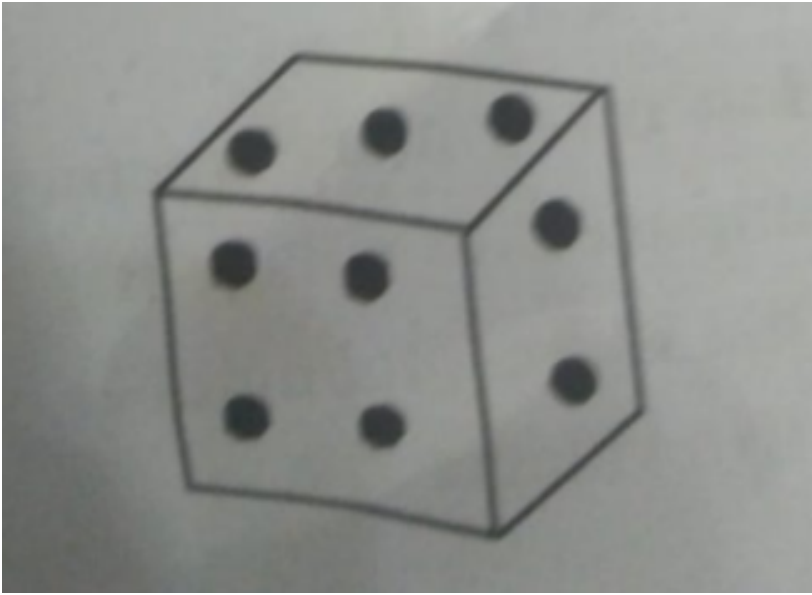Jalebi,Rasgulla,Ladoo,Rasgulla,Jalebi,Ladoo.

Which sweet is preferred by most of the students?

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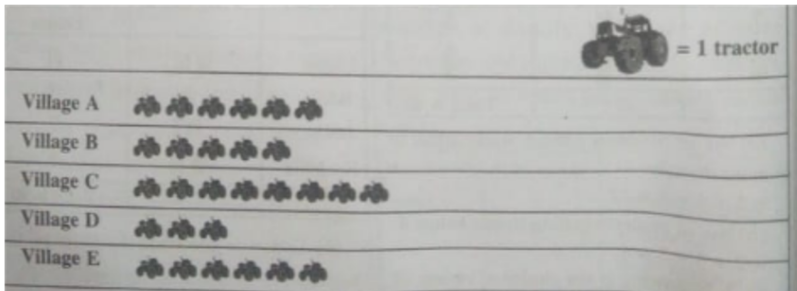**5.** Catherine used a dice and noted the number which appeared after throwing it. She repeated the exercise 40 times and noted the number

every time as shown ahead.

6. Following pictograph shows the number of tractors in five villages:Observe the pictograph and answer the following questions:Which village has the minimum number of tractors?

7. Following pictograph shows the numbr of tractors in five villages:

Observe the pictograph and answer the following question:

Which village has the maximum number of tractors ?
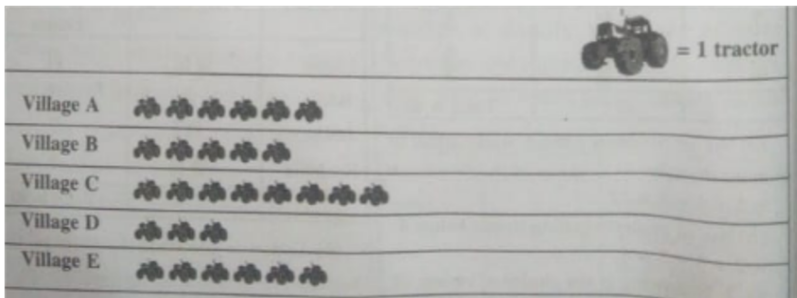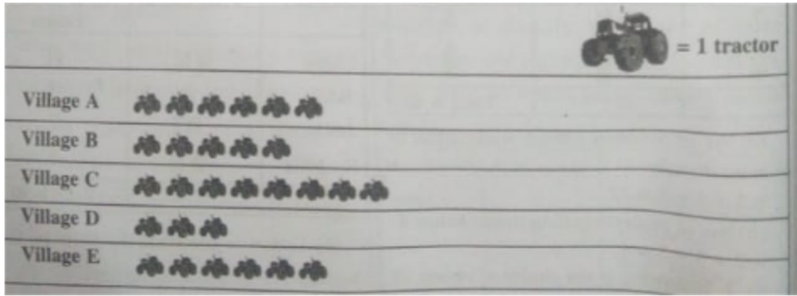

	= 1 tractor
Village A	🚜🚜🚜🚜🚜🚜
Village B	🚜🚜🚜🚜🚜
Village C	🚜🚜🚜🚜🚜🚜🚜🚜
Village D	🚜🚜🚜
Village E	🚜🚜🚜🚜🚜🚜

8. Following pictograph shows the numbr of tractors in five villages:

Observe the pictograph and answer the following question:

How many more tractors village C has as compared to village B?

		= 1 tractor
Village A	🚜🚜🚜🚜🚜🚜	
Village B	🚜🚜🚜🚜🚜	
Village C	🚜🚜🚜🚜🚜🚜🚜🚜	
Village D	🚜🚜🚜	
Village E	🚜🚜🚜🚜🚜🚜	

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9. Following pictograph shows the numbr of tractors in five villages:

Observe the pictograph and answer the following question:

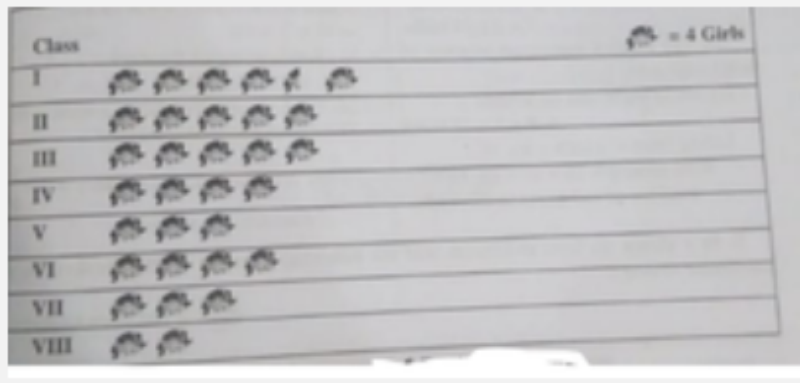What is the total number of tractors in all the five villages?

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

Observe this pitograph and answer the folllowing questions:

Which class has the minimum number of girl students?

Class							⌂ = 4 Girls
I							
II							
III							
IV							
V							
VI							
VII							
VIII							

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

Observe this pitograph and answer the folllowing questions:

Is the number of girls in Class VI less than the number of girls in Class V?

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

Observe this pitograph and answer the folllowing questions:

How many girls are there in Class VII?

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

Observe the pictograph and answer the following questions:

How many bulbs were sold on Friday?

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

Observe the pictograph and answer the following questions:

On which day were the maximum number of bulbs sold?

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

Observe the pictograph and answer the following questions:

If one bulb was sold at the rate of Rs.10 ,what was the total sale on Sunday?

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

Observe the pictograph and answer the following questions:

Can you find out the total sale of the week?

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

Observe the pictograph and answer the following questions:

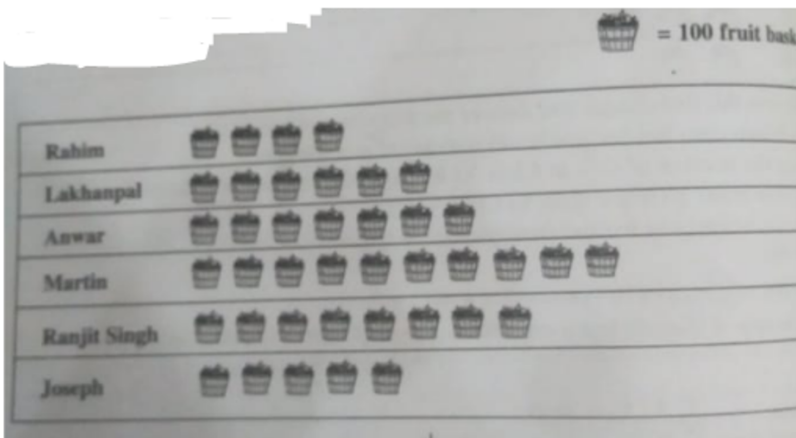If one big carton holds 9 bulbs,how many cartons were needed in the given week.

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

Observe this pitograph and answer the following questions:
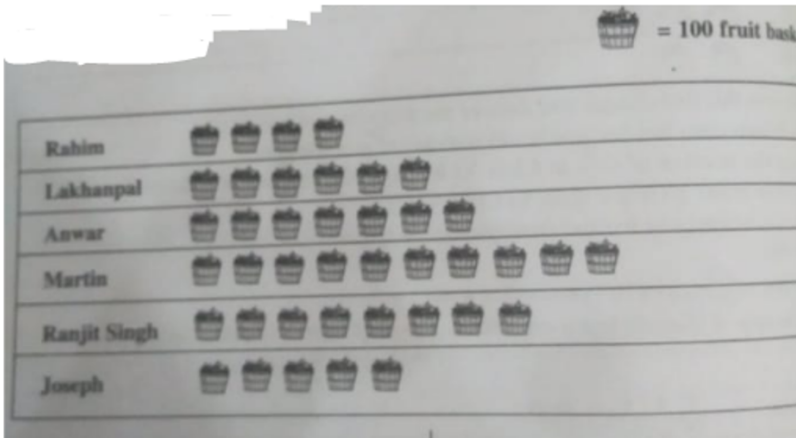
Which merchant sold the maximum number of baskets?

19. In a village six fruit merchants sold the following number of fruit

baskets in a particular season:

Observe this pitograph and answer the following questions:

How many fruit baskets were sold by Anwar?

20. In a village six fruit merchants sold the following number of fruit

baskets in a particular season:

Observe this pitograph and answer the following questions:

The merchants who have sold 600 or more number of baskets are planning to buy a godown for the season.Can you name them?

= 100 fruit baskets

Rahim	🧺🧺🧺🧺
Lakhanpal	🧺🧺🧺🧺🧺🧺
Anwar	🧺🧺🧺🧺🧺🧺🧺
Martin	🧺🧺🧺🧺🧺🧺🧺🧺🧺🧺
Ranjit Singh	🧺🧺🧺🧺🧺🧺🧺🧺
Joseph	🧺🧺🧺🧺🧺
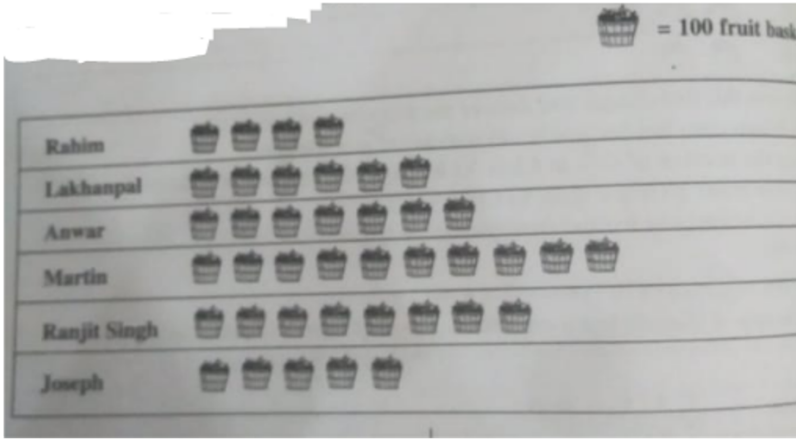
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21. Total number of animals in five villages are as follows:

Prepare a pictograph of these animals using one symbol to represent 10 animals and answer the following questions:

How many symbols represent animals of village E?

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

Prepare a pictograph of these animals using one symbol to represent 10 animals and answer the following questions:

Which village has the maximum number of animals?

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

Prepare a pictograph of these animals using one symbol to represent 10 animals and answer the following questions:

Which village has more animal:Village A or village C ?

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

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

Year	Number of Students
1996	400
1998	535
2000	472
2002	600
2004	623

25. Bar graph given below shows the amount of wheat purchased by government during the year 1988-2002

Read the bar graph and write down your observations.

In which year was the wheat production maximum?

26. Bar graph given below shows the amount of wheat purchased by government during the year 1988-2002

Read the bar graph and write down your observations.

In which year was the wheat productin minimum?

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27. Observe this bar graph which is showing the sale of shirts in a readymade shop from Monday to Sunday.Now answer the following question

What information is given by the above bar graph?

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28. Observe this bar graph which is showing the sale of shirts in a readymade shop from Monday to Sunday.Now answer the following

question

Mention the scale chosen on the horizontal line representing number of shirts.

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29. Observe this bar graph which is showing the sale of shirts in a readymade shop from Monday to Sunday.Now answer the following question

Mention the day on which maximum number of shirts were sold and also mention the number of shirts sold.

> ▶ Watch Video Solution

30. Observe this bar graph which is showing the sale of shirts in a readymade shop from Monday to Sunday.Now answer the following question

Mention the day on which minimum number of shirts were sold.

▶ Watch Video Solution

31. Observe this bar graph which is showing the sale of shirts in a readymade shop from Monday to Sunday.Now answer the following question

How many shirts were sold on Thursday?

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32. Observe this bar graph which is showing mariks obtained by Aziz in half yearly examination in different subjects

Answer the questions given

What information is given by the bar graph?

▶ Watch Video Solution

33. Observe this bar graph which is showing mariks obtained by Aziz in half yearly examination in different subjects

Answer the questions given

Name the subject in which Aziz has scored maximum marks.

Watch Video Solution

34. Observe this bar graph which is showing mariks obtained by Aziz in half yearly examination in different subjects

Answer the questions given

State the names of the subjects and marks obtained in each of them.

.

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

Represent this information with the help of graph.

Activity	Playing	Reading	Watching T.V.
No. of students preferred	45	30	20

Listening Music	Painting
10	15

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

Draw a bar graph to illustrate the aove data choosing the scale of your

choice.

Days activity	No. of books sold
Sunday	65
Monday	40
Tuesday	30
Wednesday	50
Thursday	20
Friday	70
Saturday	15

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37. Following table shows the number of bicycles manufactured in a factory during the years 1998 to 2002.

Draw a graph to illustrate this information.

Year	1998	1999	2000	2001	2002
No. of bicycles manufactured	800	600	900	1100	1200

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38. Following table shows the number of bicycles manufactured in a factory during the years 1998 to 2002.

In which year were the minimum number of bicycles manufactured.

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

Which two age groups have same population ?

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

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

All persons in the age group of 60 and above are called ssenior citizens

.How m any senior citizens are there in the town?

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1. The following data is of the ages(in years) of 20 students of class VI.Arrange the data in a table using tally marks.

How many students are 10 years of age?

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2. Which age group the maximum no. of students belong?

9,10,10,9,9,11,9,11,9,10,11,10,11,9,10,9,12,12,9,10.

> ▶ Watch Video Solution

3. The heights (in cm) of 30 students of class VIII are given below:

150,152,154,152,148,149,150,155,159,160,152,154,160,149,150,152,155,145,154,145,148,15

Prepare a frequency table with 160-164 as one of the class intervals

4. The yearly savings (in rupees) of 30 students of X are as follow:

50,53,70,70,80,60,53,75,47,47,47,75,53,60,70,70,80

,53,50,53,70,75,75,60,80,47,50,50,50.Prepare a frequency table using tally marks.

How much saving is maximum?

5. The yearly savings (in rupees) of 30 students of X are as follow:

50,60,53,70,70,80,60,53,75,47,47,47,75,53,60,70,70,80,53,50,53,70,75,75,60,80,47,5

a frequency table using tally marks.

How much saving is minimum?

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

How many bulbs were sold on tuesday?

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

On which day least number of bulbs were sold?

.

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

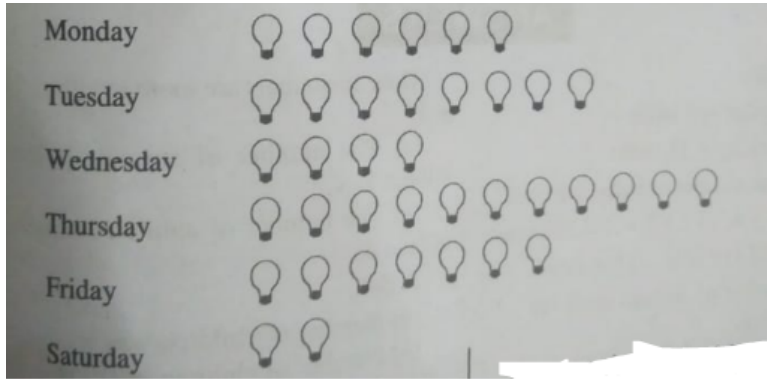On which day greatest number of bulbs were sold?

.

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

What is the total n umber of bulbs sold from Monday to Saturday?

Monday	🔆🔆🔆🔆🔆🔆
Tuesday	🔆🔆🔆🔆🔆🔆🔆🔆
Wednesday	🔆🔆🔆🔆
Thursday	🔆🔆🔆🔆🔆🔆🔆🔆🔆🔆🔆
Friday	🔆🔆🔆🔆🔆🔆🔆
Saturday	🔆🔆

10. The total number of cows in five villages are as follows:

Village 1:60,Village 2:90,Village 3:120,Village 4:150 ,Village 5 : 40

Prepare a pictograph of these animals using one symbol + to represent 10 animals and answer the following questions from the pictograph:

How many symbols represent cows of (i) Village 3 ?(ii) Village 1 ?

11. The total number of cows in five villages are as follows:

Village 11:60,Village 2:90,Village 3:120,Village 4:150 ,Village 5 : 40

Prepare a pictograph of these animals using one symbol + to represent

10 animals and answer the following questions from the pictograph:

What is the total number of cows in all the five villages?

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12. The total number of cows in five villages are as follows:

Village 1:60,Village 2:90,Village 3:120,Village 4:150 ,Village 5 : 40

Prepare a pictograph of these animals using one symbol + to represent

10 animals and answer the following questions from the pictograph:

How many more cows are there in village 2 than in village 1 ?

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13. The total number of cows in five villages are as follows:

Village 11:60,Village 2:90,Village 3:120,Village 4:150 ,Village 5 : 40

Prepare a pictograph of these animals using one symbol + to represent 10 animals and answer the following questions from the pictograph:

In which village the number of cows is least?

14. The total number of cows in five villages are as follows:

Village 1:60,Village 2:90,Village 3:120,Village 4:150 ,Village 5 : 40

Prepare a pictograph of these animals using one symbol + to represent 10 animals and answer the following questions from the pictograph:

In which village the number of cows is highest?

15. The total number of children of a school in different years is shown in the following pictograph where one represents 100 children.

In which year the number of children was least?

16. The total number of children of a school in different years is shown in the following pictograph where one represents 100 children.

What was the number of children in 1998 ?

17. The total number of children of a school in different years is shown in the following pictograph where one represents 100 children.

How many more children were there in the school in 2000 than in 1995?

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18. The bar graph given in the adjoining figure represents the number of bulbs sold by a shopkeeper on 6 consecutive days of a week .Study the bar graph and answer the following question:

Find the excess of no. of bulbs sold on Sunday over those sold on Friday.

19. The bar graph given in the adjoining figure represents the number of bulbs sold by a shopkeeper on 6 consecutive days of a week .Study the bar graph and answer the following question:

On which day there were the minimum no. of bulbs sold.
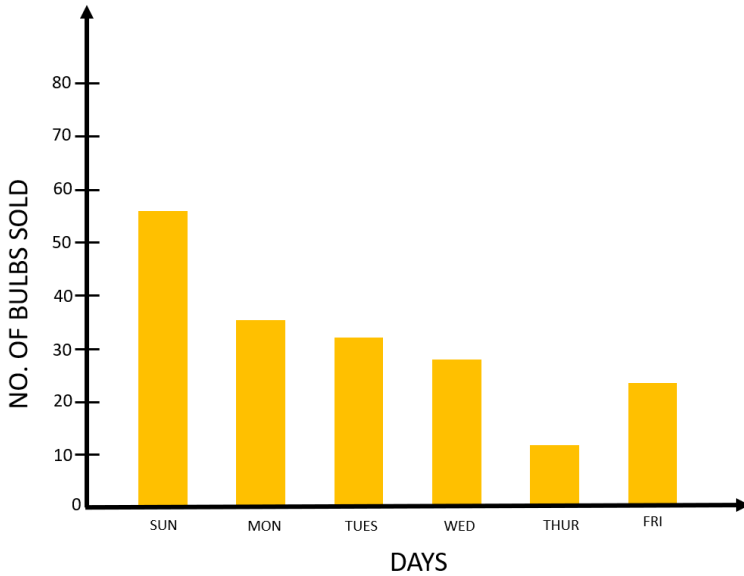
A. Monday

B. Saturday

C. Friday

D. Thursday

Answer: D

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20. The bar graph given in the adjoining figure represents the number of bulbs sold by a shopkeeper on 6 consecutive days of a week .Study the bar graph and answer the following question:

Write decreasing order of the no. of bulbs sold on different days.
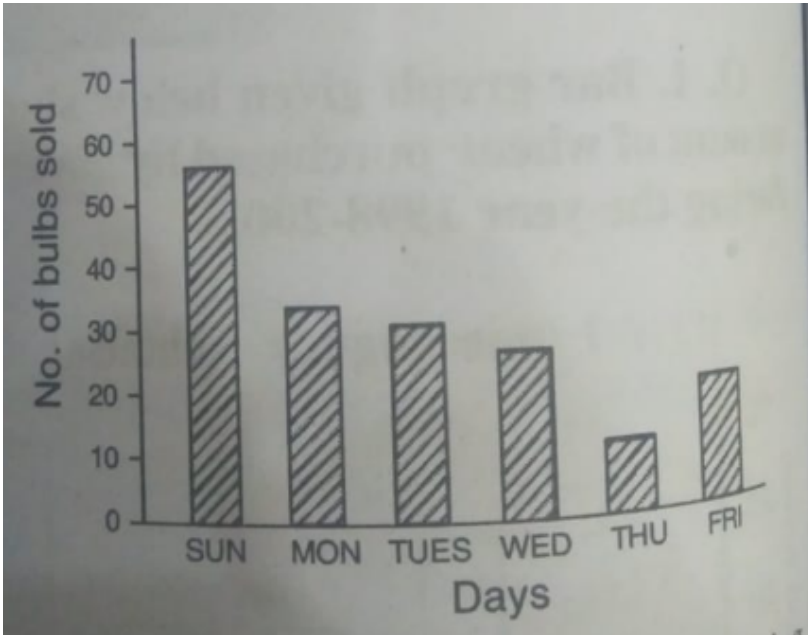
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21. The bar graph given in the adjoining figure represents the various age groups of people in a town.Study the bar graph and answer the following questions:
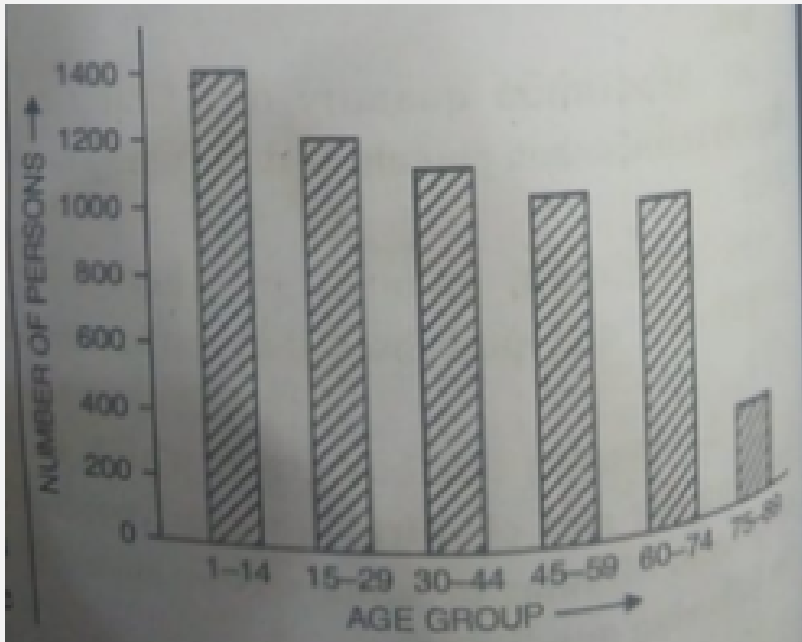
Write the no. of people in the youngest age group?
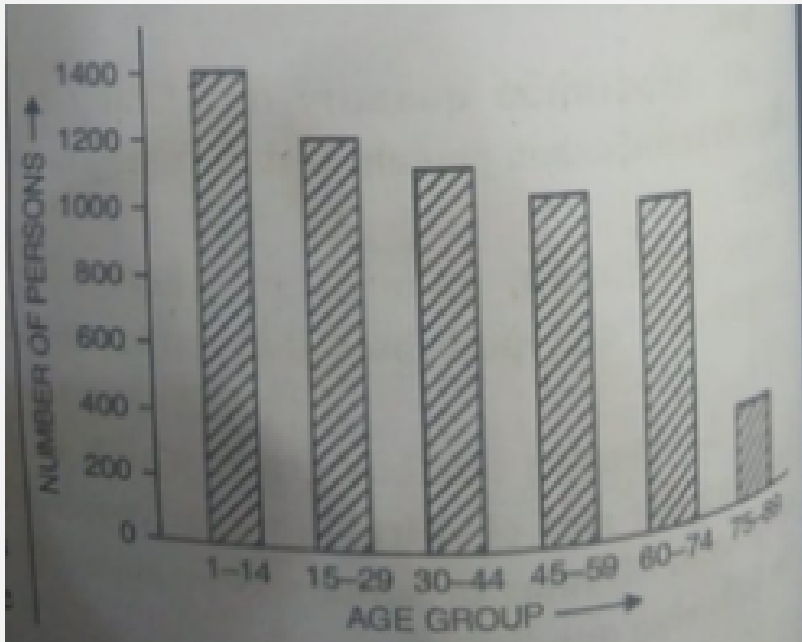
22. The bar graph given in the adjoining figure represents the various age groups of people in a town.Study the bar graph and answer the following questions:
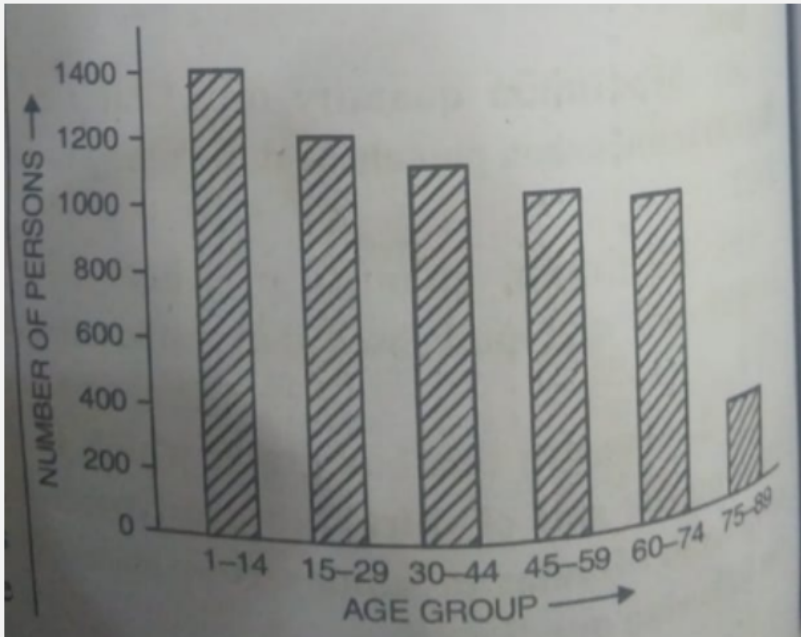
Write the no. of people in the youngest age group?

23. The bar graph given in the adjoining figure represents the various age groups of people in a town.Study the bar graph and answer the following questions:

Total number of people in the age 1-89.

24. The number of saplings planted by a farmer in five consecutive weeks are given below:

Construct a bar graph to represent the above information.

25. The expenditure(in 10 crores of rupees) on health by the Government of India during the various five year plan is shown below:

Construct a bar graph to represent the above data.

Plan	Expenditure of Health (in 10 crores of rupees)
First	7
Second	14
Third	23
Fourth	34

Plan	Expenditure of Health (in 10 crores of rupees)
Fifth	76
Sixth	182

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**26.** The production of Oil(in lakh tonnes) in some of the refineries in India during 1982 was given below:

Construct a bar graph to represent the above data so that the bars are

drawn horizontally.

27. In the adjoining bar graph the growth of population of India from 1951 to 2001 is shown.Observe the graph and find in which two consecutive years the population growth is maximum?
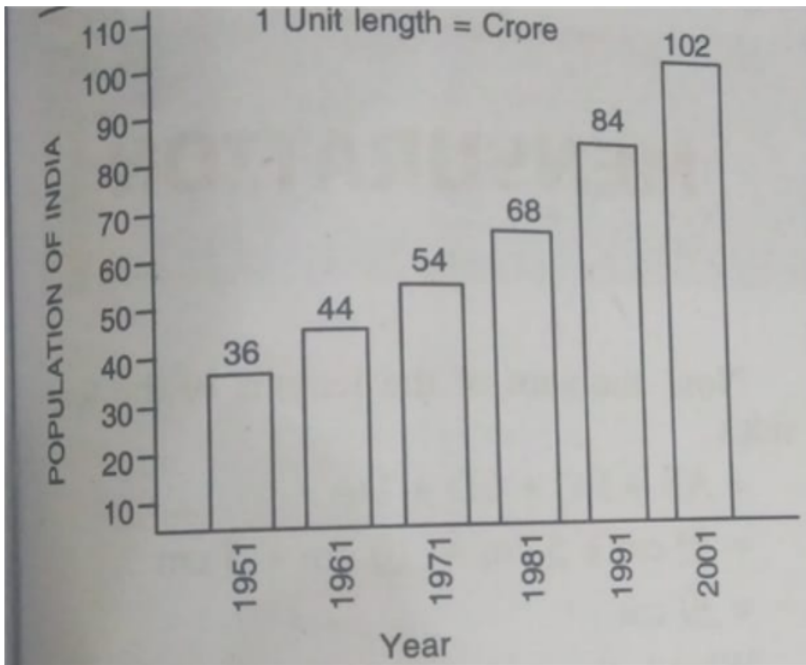
A. Year 1951 to year 1961

B. Year 1971 to year 1981

C. Year 1981 to year 1991

D. Year 1991 to year 2001.

Answer:

28. Bar graph given below shows the amount of wheat purchased by government during the year 1988-2002

Read the bar graph and write down your observations.

In which year was the wheat production maximum?
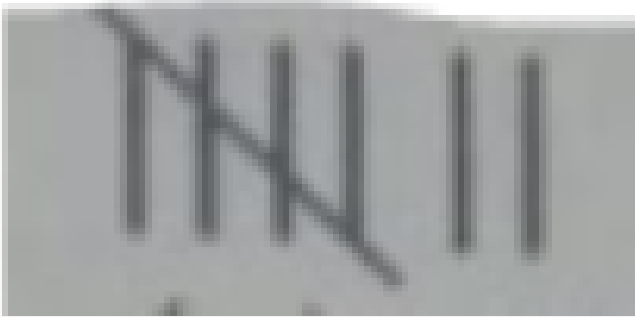

A. 1998

B. 1999

C. 2001

D. 2002

Answer:

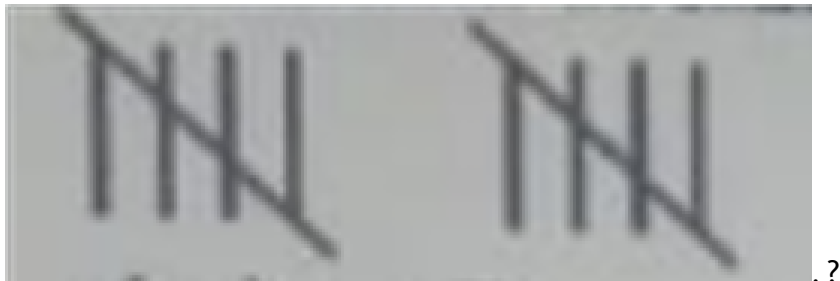**29.** Which number is shown by tally mark

A. 5

B. 6

C. 7

D. 8

Answer:

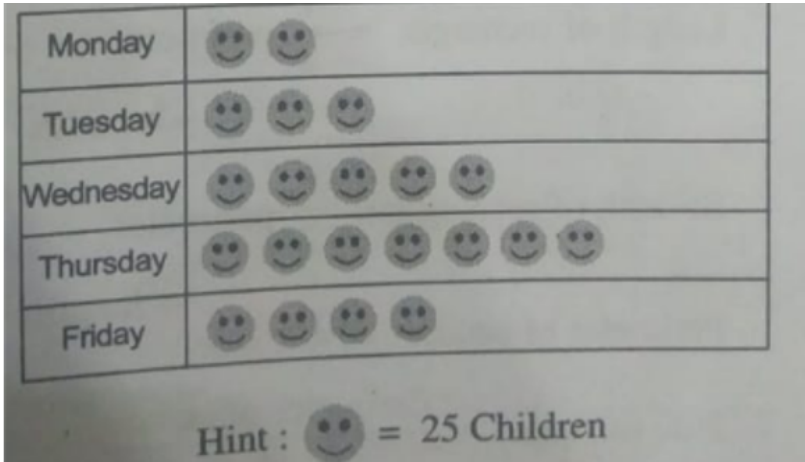**30.** Which number is shown by tally mark

. ?

A. 5

B. 7

C. 9

D. 10

Answer:

31. There is a circuss in a village .The number of children came to see circus from Monday to Friday are shown by a pictograph.Read the following pictograph caefully and answer the question below:
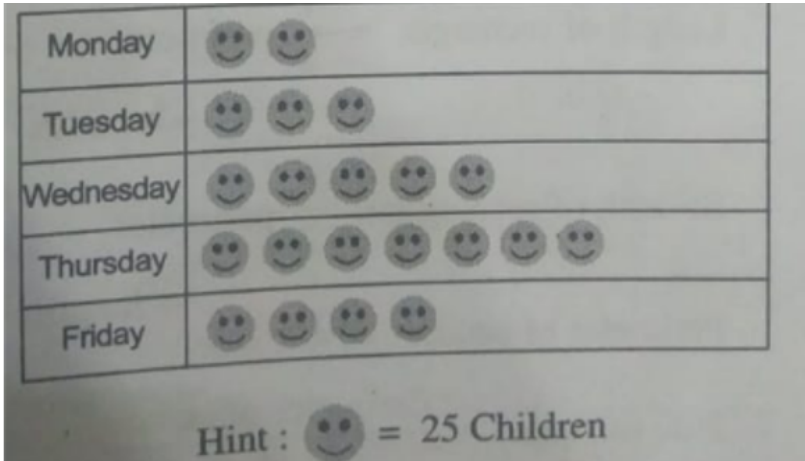
How many children came to see circus on tuesday?

Monday	😊 😊
Tuesday	😊 😊 😊
Wednesday	😊 😊 😊 😊 😊
Thursday	😊 😊 😊 😊 😊 😊 😊
Friday	😊 😊 😊 😊

Hint : 😊 = 25 Children

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32. There is a circuss in a village .The number of children came to see circus from Monday to Friday are shown by a pictograph.Read the following pictograph caefully and answer the question below:

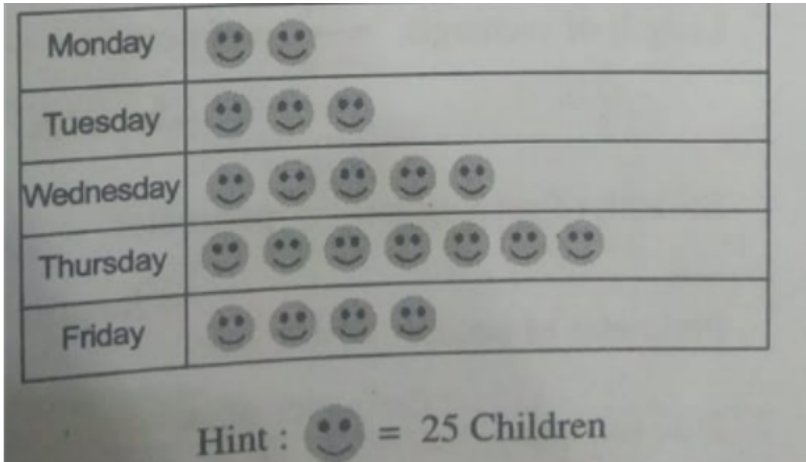On which day maximum number of children came to see circus and how

many?

Monday	😊	😊					
Tuesday	😊	😊	😊				
Wednesday	😊	😊	😊	😊	😊		
Thursday	😊	😊	😊	😊	😊	😊	😊
Friday	😊	😊	😊	😊			

Hint : 😊 = 25 Children

33. There is a circuss in a village .The number of children came to see circus from Monday to Friday are shown by a pictograph.Read the following pictograph caefully and answer the question below:

How many children saw circus on Monday and Wednesday?

Monday	😊 😊
Tuesday	😊 😊 😊
Wednesday	😊 😊 😊 😊 😊
Thursday	😊 😊 😊 😊 😊 😊 😊
Friday	😊 😊 😊 😊

Hint : 😊 = 25 Children