



Edu Junior

Where Passion Meets Educations



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Where passion meets with educations

CLASS 6TH

MATHS

CHAPTER- 9th

Data Handling

EXERCISE- 9.1

NCERT SOLUTION

1. 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?

Ans.

Marks	Tally Marks	No. of students
1		2
2		3
3		3
4		7
5		6
6		7
7		5
8		4
9		3
Total		40

(a) Number of students obtained marks equal to or more than 7 = $5 + 4 + 3 = 12$.

(b) Number of students obtained marks below 4 = $2 + 3 + 3 = 8$.

2. 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?

Ans.

(a)

Sweets	Tally marks	Number of students
Ladoo	I	11
Barfi		3
Jalebi	II	7
Rasgulla		9
Total		30

(b) Ladoo is preferred by most of the students i.e., 11 students.

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

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

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.

Ans.

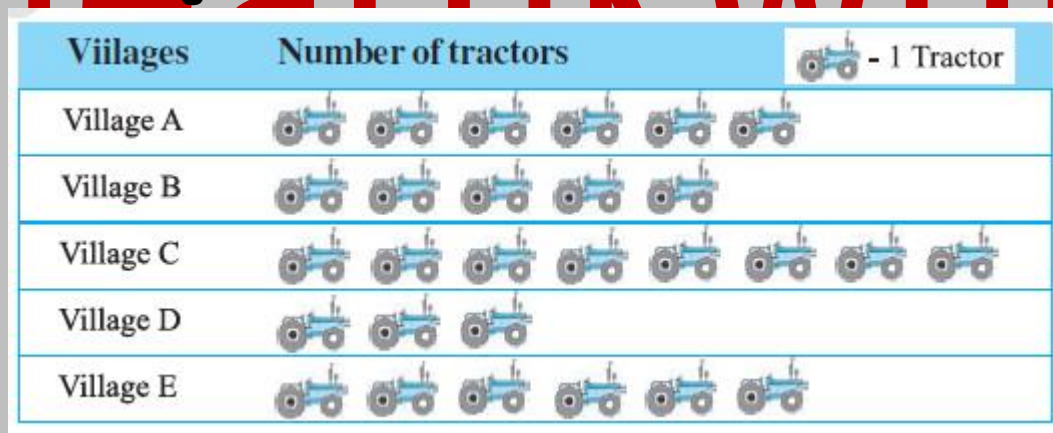
Number on the dice	Tally Marks	No. of students
1		7
2		6
3		5
4		4
5		11
6		7
Total		40

(a) Number 4 appeared minimum number of times.

(b) Number 5 appeared maximum number of times.

(c) Number 1 and 6 appeared for same number of times i.e., 7.

4. 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?

Ans.

Village D has the minimum number of tractors, i.e., 3.

(ii) Which village has the maximum number of tractors?

Ans.

Village C has the maximum number of tractors, i.e., 8.

(iii) How many more tractors village C has as compared to village B.

Ans.

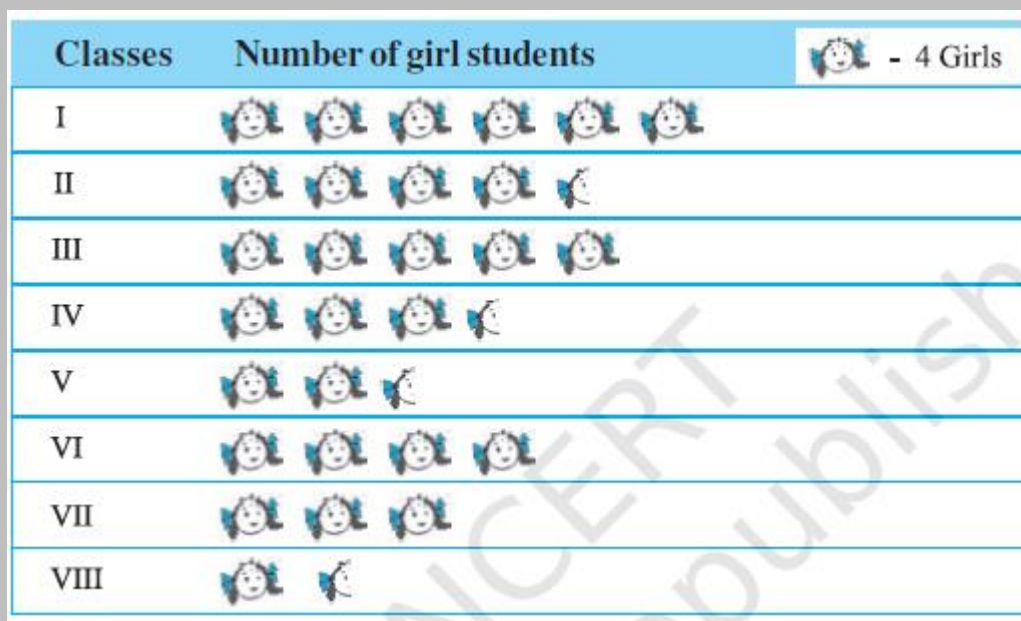
Village C has 3 tractor more than that of village B.

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

Ans.

Total Number of tractors in all the villages is 28.

5. 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?

Ans.

Class VII has the minimum number of Students.

$$1 \times 4 + \frac{1}{2} \times 4 = 4 + 2 = 6$$

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

Ans.

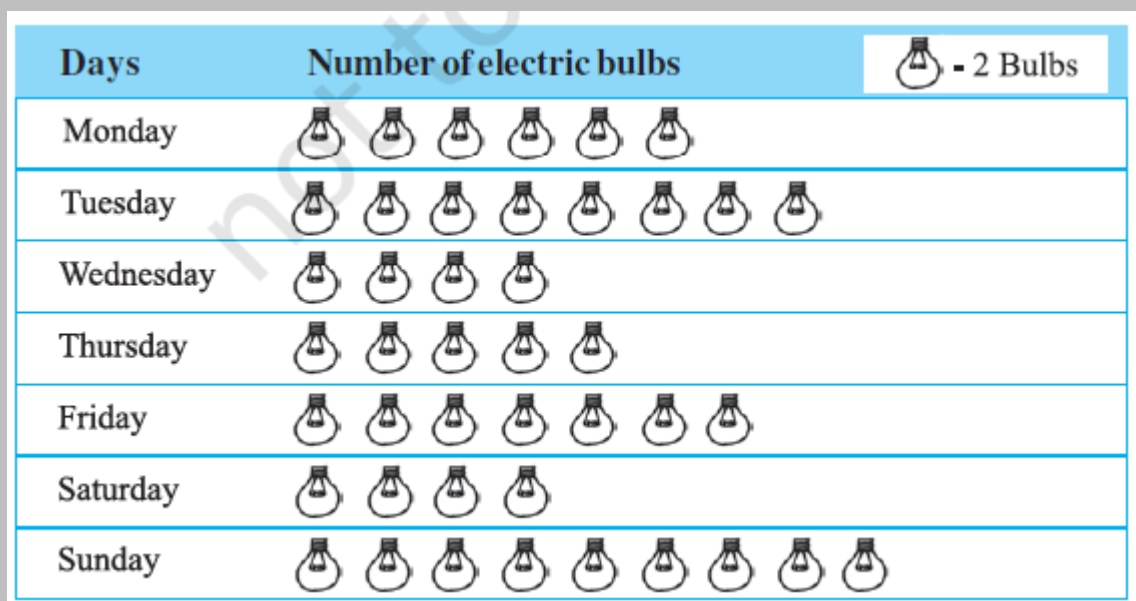
No, number of girls in Class VI is $4 \times 4 = 16$ and number of girls in Class V $= 2\frac{1}{2} \times 4 = 10$

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

Ans.

Number of girls in class VII $= 3 \times 4 = 12$

6. 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?

Ans.

Number of Bulb sold on Friday $= 7 \times 2 = 14$

(b) On which day were the maximum number of bulbs sold?

Ans.

Maximum number of bulb sold were on Sunday, i.e., $9 \times 2 = 18$

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

Ans.

Same number of bulbs were sold on Wednesday and Saturday i.e., $4 \times 2 = 8$.

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

Ans.

Minimum number of Bulb were sold on Wednesday and Saturday, i.e., $4 \times 2 = 8$

(e) If one big carton can hold 9 bulbs. How many cartons were needed in the given week?










































Ans.

Total Number of Bulb sold in the week = $43 \times 2 = 86$

Number of Bulb in one cartoon = 9

Number of Cartoon needed in the given week = $\frac{86}{9} = 10$ (approx).

7. 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	   	
Lakhanpal	     	
Anwar	      	
Martin	         	
Ranjit Singh	       	
Joseph	    	

Observe this pictograph and answer the following questions:

(a) Which merchant sold the maximum number of baskets?

Ans.

Maximum number of Basket were sold by Martin.

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

Ans.

Number of Basket sold by Anwar = $100 \times 7 = 700$.

(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?

Ans.

Anwar, Martin and Ranjit singh

000 senior citizens are there in town.

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