

Chapter- 14

Handling data

STUDY NOTES**LEARN ABOUT:**

- **TALLY MARKS**
- **PICTOGRAPH**
- **BARGRAPH**

❖ TALLY MARKS:**EXAMPLE-**

Here is data gathered by a zoo keeper about the number of animals in a zoo. He then made a table with tally marks.

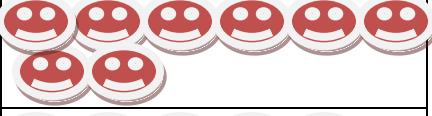
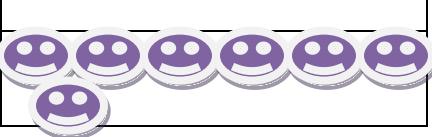
Bear, deer, bird, tiger, bird, monkey, bear, bear, deer, deer, deer, monkey, bird, bear, bird, bear, bird, monkey, deer, deer, tiger, bird, tiger, deer, deer, monkey, tiger, bear, bird.

SOLUTION-

Animal	Tally marks	Number
Bear	/	6
Deer		8
Monkey		5
Tiger		4
Bird	//	7

❖ PICTOGRAPH:

Then the zoo keeper drew a pictograph to show the data.

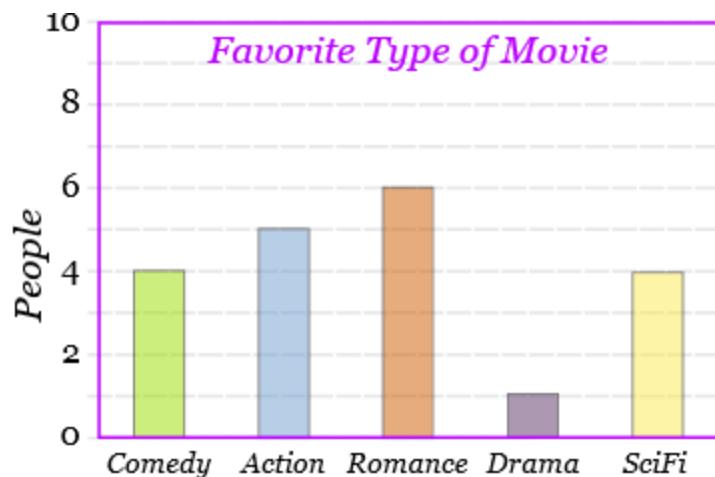
Animal	Number	Picture
Bear	6	
Deer	8	
Monkey	5	
Tiger	4	
Bird	7	

Let's answer the following questions-

1. How many bears? 6
2. How many deer? 8
3. How many monkeys? 5
4. How many tigers? 4
5. How many birds? 7
6. How many more deer than bears? $8 - 6 = 2$
7. How many more monkeys than tigers? $5 - 4 = 1$
8. How many less tigers than birds? $7 - 4 = 3$
9. How many less monkeys than deer? $8 - 5 = 3$

❖ BAR GRAPHS:

Drawing pictures takes time. An easier method is to draw coloured boxes instead of pictures. The horizontal line shows the favorite type of movie of the people. The vertical line shows the number of people. Here 1 unit represents 1 people. So vertical scale is 1 unit = 1 people.



So, as per this bar graph the following information can be drawn-

Number of people like comedy movie = 4

Number of people like action movie = 5

Number of people like romance movie = 6

Number of people like drama movie = 1

Number of people like Sci-Fi movie = 4

The type of movie like by most of the people = Romance

The type of movie like by less number of people = Drama

Two type of movie like by same number of people = Comedy and Sci-Fi

This is a method of representing numbers as bars. The lengths of the bars represent the number of objects. It is known as a **Bar graph**. Bar graphs can be drawn vertically or horizontally. The title of the bar graph is given in the top.

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