

B. V. P. Lkr

Sub- maths

Class-6

Home work- EX-14 (Data Handling)

Solve all questions

By lalan kumar singh

- **Data** is a collection of numbers gathered to give some information.

The first portion of the chapter covers all the concepts related to the **Recording Data** followed by **organization of data**.

The data organisation methods includes:

- **Tally Marks:** To get particular information from the given **data** quickly, the **data** can be arranged in **tabular** form using **tally marks**.
- **Pictograph:** **Pictograph** represents data in the form of **pictures, objects or parts of objects**.
 - **Interpreting a pictograph**
 - **Drawing a pictograph**
- **Bar Graphs:** In a **bar graph**, **bars of uniform width** are drawn **horizontally or vertically** with **equal spacing** between them. The length of each **bar** gives the required information. The process of **choosing a scale for the graph** is important.
 - **Interpreting a Bar graph**
 - **Drawing a Bar graph**

Question 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?

Solution:

From the given data, we have the following table.

| Marks obtained | Tally marks | Number 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 who obtained marks equal to or more than 7 = 5 + 4 + 3 = 12

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