

6th Standard Maths

Data Handling

In our day to day life, we see various kinds of tables which consist of numbers, figures, names, etc. These tables provide 'Data'. Data is a collection of numbers gathered to give some information.

Recording Data

Sometimes some information is required very quickly. It is possible only when we adopt some suitable system of collecting data.

Raghav	Banana
Preeti	Apple
Amar	Guava
Bawana	Apple
Manoj	Banana

Donald	Apple
Fatima	Orange
Raman	Banana
Radha	Orange
Rarida	Guava
Anuradha	Banana
Rati	Banana
Maria	Banana
Akhtar	Orange
Ritu	Apple



Salma	Banana
Kavita	Guava
Javed	Banana

Organising Data

If we want to get particular information from the given data quickly, the data can be arranged in a tabular form using tally marks.

Banana	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	8
Orange	✓ ✓ ✓	3
Apple	✓ ✓ ✓ ✓ ✓	5
Guava	✓ ✓ ✓ ✓	4

Pictograph

A pictograph represents data in the form of pictures, objects or parts of objects. The picture usually helps to understand the data. It helps answer the questions on the data at a glance. Pictographs are often used by dailies and magazines to attract the attention of the readers. However, it requires some practice to understand the information given by a pictograph.

Interpretation of a Pictograph

Simply by observing a pictograph, one can answer the related questions very quickly.

Drawing a Pictograph

We draw pictographs using symbols to represent a certain number of items or things.

A Bar Graph

Representing data by pictograph is tedious and time-consuming. So, a bar graph supplies with another way of representing data visually.

In a bar graph or a bar diagram, bars of uniform width is erected horizontally or vertically with equal spacing between them. The length of the bar gives the required information.

Interpretation of a bar graph

Looking at the bar graph; we can answer the related questions quite easily.

Drawing a Bar graph

First of all, we draw a horizontal line and a vertical line on the horizontal line, we draw bars and on vertical line, we write the numerals. However, we choose a proper scale. For example, 1 unit = 100 students. Good practice helps reading a given bar graph a lot.