# Pictograph: Data and Pictograph and Drawing a Pictograph: Pictures and Pictorial Representation

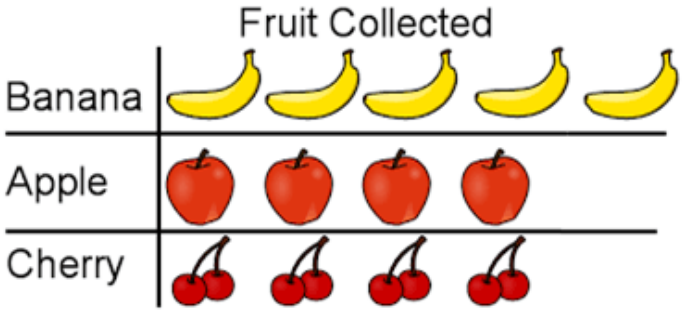


Suppose you were given some random people's names and their phone numbers and asked to arrange them. How will you handle this?

## Data and Pictograph

Data is set of collection of names, numbers, figures, etc. that convey some information. In simple words data is just a collection of raw facts and figures. It can be about anything. A data is made based on observations, research or analysis. We can depict data in different forms such as tables, charts, pictures, graphs, etc.

Pictograph is a pictorial representation of a word or expression. It is one of the methods of recording data in more interesting way. In pictograph, a data is recorded in form of images and these images help us to understand statistical information in a much easier way. But, the chances of misinterpretation are high. A pictograph is also known as pictogram, pictorial chart, picture graph and many more.



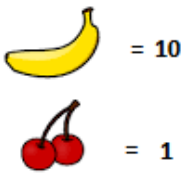

## Drawing a Pictograph

Pictograph is all about pictures and pictorial representation. To make it more interesting, a pictogram must be precise and properly described. Hence, we should be alert using images that we will use to represent the data. let's construct a pictogram of following data.

The following are the different animals and corresponding column gives their weight. Here we will represent it, as shown below.

| Animal | Weight (kg) |
|---|---|
| Rabbit | 45 |
| Dog | 67 |
| Lion | 110 |
| Kangaroo | 83 |
| Cat | 33 |

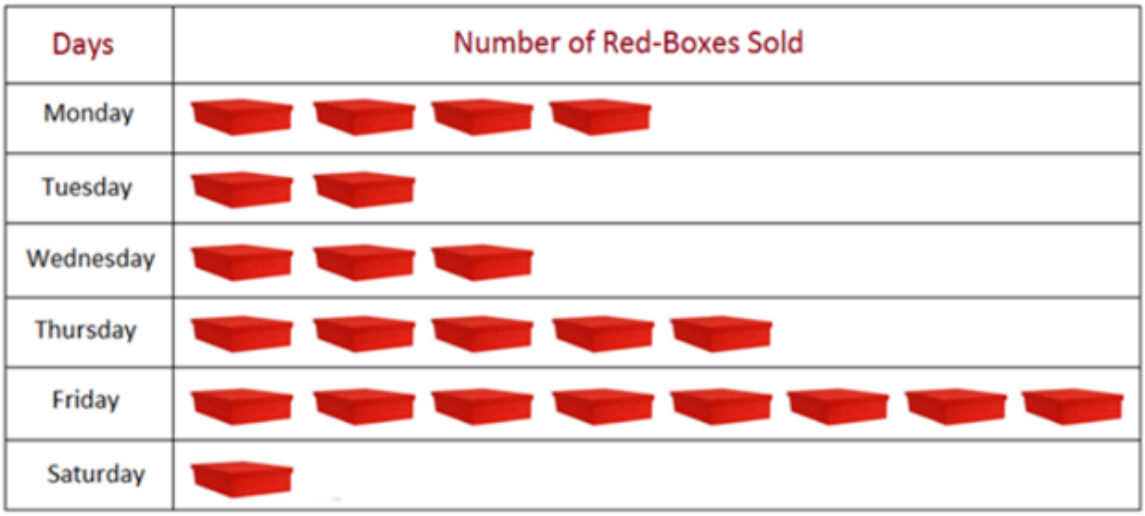
Representation: We will use banana and cherry to picturize this data. Below are value of banana and cherry:




Pictograph: Pictogram of above data would be:

| ANIMAL | WEIGHT (KG) |
|---|---|
| RABBIT |  |
| DOG |  |
| LION |  |
| KANGAROO |  |
| CAT |  |

Example 1: Number of red colored boxes sold by William, a shopkeeper, in six days of a week. See the picture graph or pictograph to answer the questions.




(i) Number of red boxes sold:

Monday – 4, Tuesday – 2, Wednesday – 3, Thursday – 5, Friday – 8, Saturday – 1

Therefore, sale during the week $= 23$

(ii) Lowest sale – on Saturday, only 1 box was sold.

Maximum sale on Friday is 8 boxes were sold.

We can easily get more information by observing this picture-graph.

Example: 2 Number of illiterate children of 5 small towns, Melrose, Marengo, Midway, Parral and Rushville. See the picture graph or pictograph to answer the questions.

| Small Towns | Number of illiterate children |
|---|---|
| Melrose |  |
| Marengo |  |
| Midway |  |
| Parral |  |
| Rushville |  |

(i) Number of illiterate children of different small towns:

Melrose - 5, Marengo - 4, Midway - 7, Parral - 3 and Rushville - 2

(ii) Total number of illiterate = 21