

★ Mathematics Distributions & Some charts:

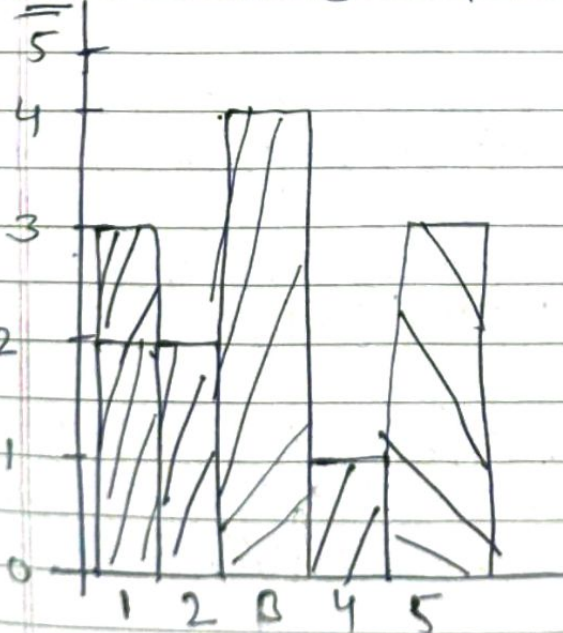
* Histogram :- A Histogram visually presents quantitative data.

→ It is used to show the distribution of quantitative (numerical) data.

→ It shows the frequency of value in the data, usually in intervals of values.
(Ex - ss.)

→ Frequency Histogram - It is a special graph that uses ~~rod~~ vertical columns to show frequencies.

Ex - Scores → 1, 1, 1, 2, 2, 3, 3, 3, 3, 4, 5, 5, 5



& here

1 = 3 times occur

2 = 2

3 = 4

4 = 1

5 = 3 times

→ We can represent decimal numbers in quantitative data, not in qualitative.

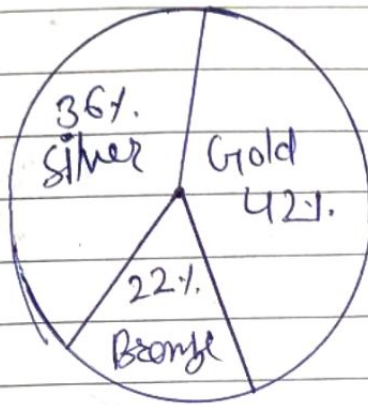
* Bar Graph :- / Bar Chart

- A Bar Graph is a graphical display of data using bars of different heights.
- Bar Graphs are used to show the distribution of qualitative (categorical) data.
- Bar Graphs can be horizontal and vertical both.

* Pie charts :-

- Pie graphs are used to show the distribution of qualitative (categorical) data.
- Each category is represented with a slice in the 'pie' (circle).
- The size of each slice represents the frequency of value from that category in the data.

Ex. - The pie chart of winning different type of medals in olympic.



Gold:- 42%.

Silver:- 36%.

Bronze:- 22%.