

## Statistics questions

1. What is data?

To make some decisions to use observation measurements and research

2. Why use data?

- a. To identify the problem
- b. To analyze the problem
- c. To make some decision
- d. To find the solution

3. What is information?

Information is a set of data that is processed in a meaningful way according to given requirements

4. What are the 2 types of data?

Qualitative data, Quantitative data

5. What is qualitative data?

Qualitative data are data that represent numerically including anything that can be counted, measured or given a numerical value.

6. What is qualitative data?

It is concerned with qualities or characteristics and provides insights, attitudes, behaviors, opinions and motivations of individuals or groups.

7. What are the types of quantitative data?

Discrete, Continuous

8. What is discrete data?

Data that can only take certain values is called discrete data.

Eg:- Total students in our class

9. What is continuous data?

Continuous data often includes measurable values representing a range of information.

10. What is mean of These numbers?

4,8,10,12,6

Mean=  $40/5$

= 8

11. Find the median of the following numbers?

3,7,9,2,8

Ascending order= 2,3,7,8,9

Median = 7

12. Find the Median of the following numbers?

5,7,8,10,12,15

Median =  $(8+10)/2$

=  $18/2$

= 9

13. Find the Q1, Q2(Median), Q3 of the following numbers?

4,8,15,16,23,42,50

Q2(Median) = 16

Q1 = 8

Q3 = 42