

1) Express 9 using tally marks.

Ans:  $\text{||||} \text{||||}$

2) A locality has 300 people and its population density is 150 person / sq. m. What is the area of the locality?

Ans: 2 sq. m.

Rough,

$$\begin{aligned} \text{Area} &= \frac{\text{Population}}{\text{Population density}} \\ &= \frac{300}{150} \text{ Sq. m} \\ &= 2 \text{ Sq. m} \end{aligned}$$

3) The population density of a village is 110 people / sq. km. The area is 5 sq. km. How many people are there in the village?

Ans: 550 people.

Rough,

$$\text{Population} = \text{Population density} \times \text{Area} = (110 \times 5) \text{ people} = 550 \text{ people}$$

4) What is class interval?

Ans: **Class interval:** The difference between upper and lower class boundaries of a class.

5) What is the difference of the highest and lowest values among 3, 5, 7, 8, 10 and 7?

Ans: 7

Rough,

Highest value = 10

Lowest value = 3

∴ Difference =  $10 - 3 = 7$

6) How many types of data are there? What are they?

Ans: There are 2 types of data. They are: 1) Organized data,  
2) Unorganized data.

7) What is the data called which are arrangement according to definite characteristics?

Ans: Organized data.

8) What is the data called which are not arrangement according to definite characteristics?

Ans: Unorganized data.

9) What is the population of Bangladesh according to the survey conducted in 2011?

Ans: 14 crore 23 lac.

10) What is expressed by  $\frac{11}{7}$ ?

Ans: 7.

11) The marks obtained by three students in mathematics are respectively 7, 9 and 11. What is their average marks in mathematics?

Ans: 9.

12) Total population of Tangail is 15 lac 17 thousand and area 3221 sq. km. What is the population density?

Ans: 471 people / sq. km.

Rough,

$$\begin{aligned}\text{Population density} &= \frac{\text{Population}}{\text{Area}} \\ &= \frac{1517000}{3221} \text{ people / sq. km.} \\ &= 470.97 \text{ people / sq. km.} \\ &= 471 \text{ people / sq. km.}\end{aligned}$$

13) What kind of data are these data 58, 60, 52, 42?

Ans: Unorganized data.

14) What kind of data are these data 8, 10, 15, 19, 20?

Ans: Organized data.

15) What is the average of 0, 5, 9, 0 and 1?

Ans: 3.

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