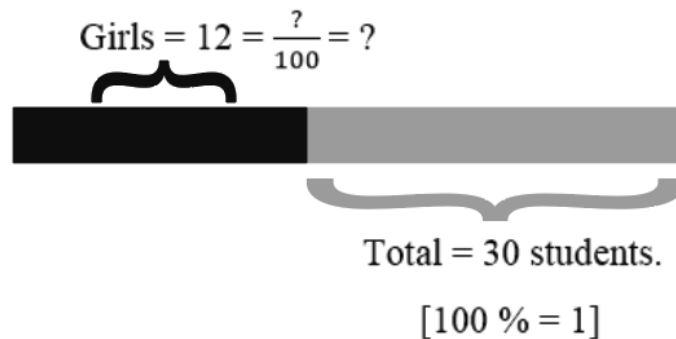


Percentage

Lecture sheet – 2

Word Problem

1. There are 30 students in Grade 5 and 12 students are girls. How many percent of students are girls?



Solution:

Given,

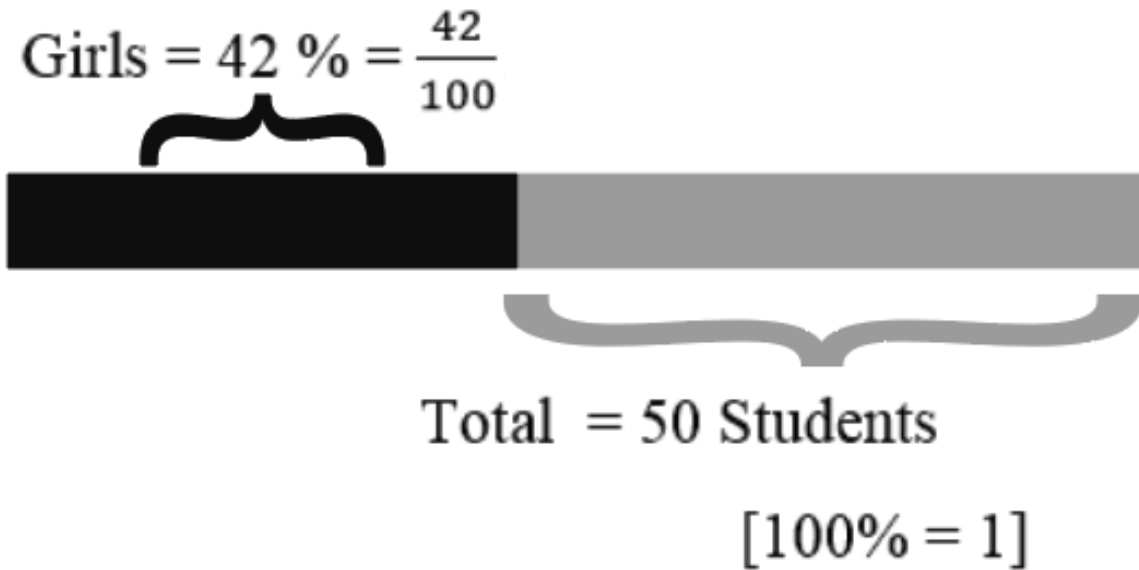
Total students = 30

Girls = 12

$$\begin{aligned}\text{Percentage of girls students} &= \frac{12}{30} \times 100\% \\ &= \frac{4 \times 100}{30} \% \\ &= 40\%\end{aligned}$$

Ans: 40 %

2. There are 50 students in Grade 5 and 42% students are girls. How many girl students are in the class?



Solution:

Given, Total students = 50 persons

Percentage of girl students = 42 %

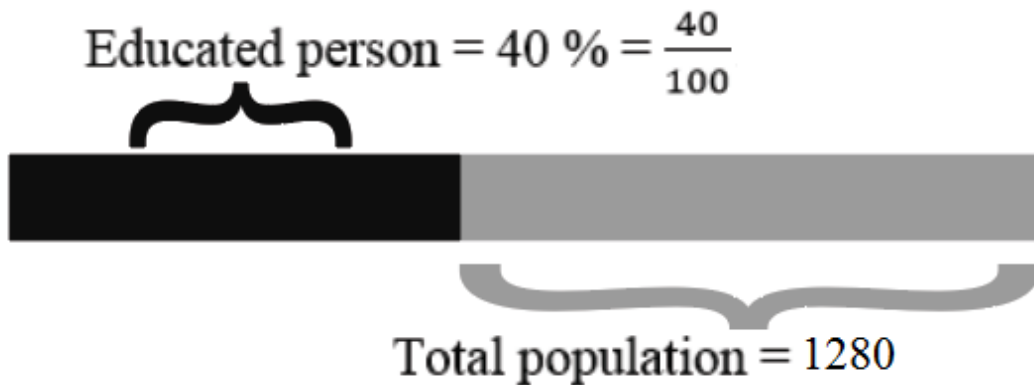
Number of girl students = 42 % of 50

$$= \frac{42}{100} \times 50$$

$$= 21$$

Ans: 21 girl students.

3. The population of sakhirpur village is 1280 and 40% of the population of that village is educated. Find the number of educated persons.



Solution:

Given, Total population = 1280 persons

Percentage of educated persons = 40%

Number of educated persons = (40% of 1280) persons

$$\begin{aligned} &= \frac{40}{100} \times 1280 \\ &= \left(\frac{40 \times 1280}{100}\right) \text{ persons} \\ &= 512 \text{ persons.} \end{aligned}$$

Ans: 512 persons.

Exercise (Do yourself):

1. In a school 30% students were absent among 80 students on Sunday. How many students were present on that day?
2. Hosain's monthly income is 2500 taka and he spends 1750 taka on food. Shamim's monthly income is 1800 taka and he spends 1440 taka on food.
 - a) Express the ratio of expense on food to the total income in percent.
 - b) Who spends more portion on food?