## **Use of Percentages**

Percentages are often used for calculations involving money. The concept of per cent is very important and can be used in almost all aspects of life. Percentages are used in many types of problems and situations.

Let us understand with some examples:

**Example:** In a survey of 100 students, 60% of students liked Science, and the rest of the students liked Arts. How many students liked Science?

## **Solution:**

Total Number of Students Participated in the Survey = 100

60% of Students liked Science =  $\frac{60}{100} \times 100 = 60$ 

Therefore, 60 Students Liked Science.

**Example:** A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had how many apples?

## **Solution:**

Let he had N apples, originally.

Now, as per the given question, we have;

(100 – 40) % of N = 420

 $\Rightarrow$  (60/100) × N = 420

 $\Rightarrow$  N = (420 × 100/60) = 700