

Examples:

1. Write equations for the following statements and solve it.
 - a. Sum of the number x and 4 is 9.
 - b. 2 subtracted from y is 8.
 - c. The number a is divided by 5 gives 10
 - d. Add 3 to one third of y , you get 30.
2. Laxmi's father is 49 years old. He is 4 years older than three times Laxmi's age. (Take Laxmi's age to be x years)

- Ram's father is 3 times as old as his son Ram. After 15 years, he will be twice the age of his son.
- The sum of 6 times of an unknown number when added with 12 gives 24.
- Radha's Mother's age is 5 years more than three times Shikha's age. Find Shikha's age if her mother is 44 years old.

6. Solve the equation using transpose method $4(2-x)=8$

7. Solve the equation by performing operations on both sides: $5x + 1 = 13$

8. The length of a rectangle is three times its width. If the perimeter of the rectangle is 96m, find the length and breadth of the rectangle.