Solution of an Equation by Trial and Error

☞ Trial and Error Method is used to solve an equation (linear equation). Rules for this method are given below.

Step 1: Take any equation.

Step 2: Put several values of the variables and find the values of L.H.S and R.H.S. of the equations.

Step 3: When for a particular value of the variable, L.H.S = R.H.S, then that value of the variable is solution of the equation.

☞ **Let us understand with an example:**

Example: Using trial and error method, find the solution of $2x = 4$.

Solution: The given equation is $2x = 4$. Since, R.H.S. of this equation is 4, therefore, we put several values of x to find L.H.S till for a particular value of x, it becomes equal to 4.

x	L.H.S.	R.H.S
1	$2 \times 1 = 2$	4
2	$2 \times 2 = 4$	4

Thus, x = 2 is the solution of the given equation.