

## Chapter 02

### LINEAR EQUATIONS IN ONE VARIABLE

#### EXAMPLES:

##### Method-1B:

Solving equations which have linear expressions on one side and numbers on the other side.

**Example:** When '5' is subtracted from 2 times a numbers, 7 is obtained, find the number.

**Solution:** Let the number be 'x'

By given data,

$$2x - 5 = 7$$

$$\Rightarrow 2x = 7 + 5$$

$$\Rightarrow 2x = 12$$

$$\Rightarrow x = \frac{12}{2} = 6$$

$$\therefore \boxed{x = 6}$$

Hence required number is 6.

