

Chapter—2

Linear Equations in one Variable

1. Form an equation of “7 added to thrice a number is 118” and also find the number.
2. If sum of two numbers is 29 and one of them is 18. Form the equation for finding the another number.
3. A man has ₹ x . He gave half of it to his wife, $\frac{1}{4}$ to his son and ₹ 1200 to his daughter. Form an equation and also find x .
4. Interior angles of a triangle are in the ratio 2 : 3 : 4. Find the angles of the triangle.
5. Find x if $4x + 7 = x + 45$.
6. If father is twice as old as his son and also 32 years older than his son. What is the age of father?
7. Solve for x —
 $8x + 25 = 4x + 105$
8. Sides of rectangle are in the ratio 15 : 4. If the perimeter of the rectangle is 38 cms then find the sides of rectangle.
9. A number consists of two digits whose sum is 9. If 9 is added to the number its digits are inter changed. Find the number.
10. The sum of two numbers is 5 and difference of their squares is 5. Find the difference of the numbers?
11. The sum of four consecutive natural numbers is 166. What are the numbers?
12. For what value of y is the perimeter of shape 220 cm?

