Linear Equations in One Variable: Worksheet -8

1. If $(x/3) + 1 = (7/15)$ then the value of 'x' is [ ]

   (i) 22/5 (ii)—8/5 (iii) 7/5 (iv) 3

2. What is the degree of the equation $x^2 + 2x - 3 = x^2 + 7x - 23$ [ ]

   (i) zero (ii) one (iii) two (iv) three

3. What is the length of the rectangle whose breadth is 10 cm & perimeter 60 cm. [ ]

   (i) 15cm (ii) 16cm (iii) 20cm (iv) 25cm

4. What should be added to $-3/5$ to get $-7/5$ [ ]

   (i) 4/5 (ii) 1 (iii) –4/5 (iv) 2

5. If x % of 50 is 10, then the value of 'x' is [ ]

   (i) 30 (ii) 15 (iii) 10 (iv) 20

6. Two numbers are in the ratio 3: 5. If their sum is 64 , then the numbers are [ ]

   (i) 24 & 40 (ii) 15& 24 (iii) 10& 24 (iv) 20& 24

7. The sum of the ages of three persons is 100 years. What will be the sum of their ages after 5 years. [ ]

   (i) 100yrs. (ii) 115yrs. (iii) 300 yrs. (iv) 305yrs.

8. The sum of three consecutive multiples of '5' is 45. Which is the smallest of the three multiples. [ ]

   (i) 10 (ii) 15 (iii) 20 (iv) 25

9. If $\frac{z}{z+15} = 4/9$, then the value of 'z' is [ ]

   (i) 11 (ii) 12 (iii) 13 (iv) 14

10. Sum of two numbers is 95. If one exceeds the other by 15, then the numbers are [ ]

    (i) 25 & 40 (ii) 50 & 65 (iii)30 & 45 (iv) 40& 55