

Linear Equations Worksheet – 3

Write a linear equation for the following statement.

1. If 12 is subtracted from a number, then the result will be 8.

a) $12 - p = 8$

b) $12 + p = 8$

c) $p - 12 = 8$

d) None of these

2. 5 less than 6 times a number is 7.

a) $6n + 5 = 7$

b) $6n - 5 = 7$

c) $5n - 6 = 7$

d) None of these

3. 7 times of a number is 12 more than the number.

a) $7a + 12 = a + 7$

b) $7a = a - 12$

c) $12a = a + 7$

d) $7a = a + 12$

4. 35 exceeds a number by 10.

a) $35 - b = 10$

b) $b + 10 = 35$

c) $35 - 10 = b$

d) All of the above

5. Find the root of the below mentioned linear equation.

$$8 + 7a = 15$$

a) $a = 2$

b) $a = 0$

c) $a = 1$

d) None of these

6. Find the root of the below mentioned linear equation.

$$5y - 8 = 2y + 4$$

a) $y = 3$

b) $y = 4$

c) $y = 5$

d) None of these

7. Find the root of below mentioned linear equation.

$$\frac{2}{3}a + 5 = 15.$$

a) $a = 10$

b) $a = 12$

c) $a = 15$

d) None of these

8. Find the root of below mentioned linear equation.

$$2y + 9 = 5y$$

a) $y = 7$

b) $y = 3$

c) $y = 4$

d) $y = 5$

9. We can not subtract the same number from both the side of a linear equation. Mark True / False.

a) True

b) False

10. We can divide both the sides of an equation by a same non-zero number. Mark True / False.

a) True

b) False

11. For a linear equation, LHS = RHS does not hold true always. Mark True / False.

a) True

b) False

12. $5(d - 1) + 2(d + 3) + 6 = 0$. Find the value of 'd'.

a) $d = 1$

b) $d = -1$

c) $d = 0$

d) $d = 2$

13. $\frac{3}{4}(a - 1) = a - 3$. Find the value of 'a'.

a) $a = 7$

b) $a = 5$

c) $a = 9$

d) None of these

14. $\frac{2n}{5} - \frac{1}{2} = \frac{n}{4} + 1$. Find the value of 'n'.

a) $n = 5$

b) $n = 1$

c) $n = 6$

d) $n = 10$

15. In an equation, we can not drop a term from one side and put it on the other side. Mark True / False.

a) True

b) False

16. One of the two numbers is thrice the other. If their sum is 224, then find the numbers?

a) 56 and 186

b) 65 and 168

c) 56 and 168

d) None of these

17. Five times the price of a book is Rs. 27 more than three times its price. What is the price of the book?

a) Rs. 12.50

b) Rs. 13.50

c) Rs. 13.05

d) Rs. 14.50

18. The number of boys in a school is 520 more than the number of girls. If student strength of the school is 1250. Find the number of girls in the school.

a) 365

b) 356

c) 364

d) 465

19. The sum of three consecutive odd numbers is 27. Find all the odd numbers.

a) 3, 5 & 7

b) 5, 7 & 9

c) 7, 9 & 11

d) None of these

20. After 16 years, Julie will be three times as old as she is now. Find her present age.

a) 16

b) 12

c) 10

d) 8