Linear Equations Worksheet - 1

1. We can add the same number to both sides of the equation. Mark True / False.

a)   True   b)   False

2. We can not multiply same number to both sides of the equation. Mark True / False.

a)   True   b)   False

3. We can divide same nonzero number to both sides of the equation. Mark True / False.

a)   True   b)   False

4. 2p + 3 = 5 is not a linear equation. Mark True / False.

a)   True   b)   False

5. The solution of a linear equation in one variable is always a fraction. Mark True / False.

a)   True   b)   False

6. If we multiply 5 to LHS of the linear equation then we must add 5 to RHS of the equation. Mark True / False.

a)   True   b)   False

7. If we subtract 10 from the RHS of the linear equation then we must subtract 10 from LHS of the equation. Mark True / False.

a)   True   b)   False

8. $\frac{11}{9}$ is a solution of the equation 9p – 5 = 6. Mark True / False.

a)   True   b)   False

9. Below mentioned two equation are having same solution. Mark True / False.

3m + 4 = 13

4m – 3 = 9

a)   True   b)   False

10. 5p + 2q = 15 is a one variable linear equation. Mark True / False.

a)   True   b)   False

11. n = -2 is a solution of which linear equation?

a)   4n + 7 = 5   b)   2n – 5 = 7

c)   3n + 12 = 6   d)   None of these

12. -3 is not a solution of which linear equation?

a)   4n + 17 = 5   b)   2n + 7 = 1

c)   2n + 12 = 6   d)   4n + 7 = 5

13. Find the value of 'p' from the below given linear equation.

2(4 – 3p) = -24

a)   5   b) $\frac{16}{3}$

c)   4   d)   3

14. $\frac{m}{4}$ = 5 + $\frac{m}{5}$. Find the value of m.

a)   80   b)   60

c)   90   d)   100

15. Solve the below mentioned linear equation.

25 – 2(n – 15) = n + 25

a)   20   b)   -10

c)   10   d)   -20

16. Find the value of 'm' if 25% of m = 200.

a)   200   b)   400

c)   600   d)   800

17. Find the value of 'n' from the below given linear equation.

n + 1.2 n = 6.6

a)   1   b)   2

c)   3   d)   4

18. Solve the linear equation, $\frac{m-1}{4} + \frac{m+1}{5} = 4$.

a)   9   b)   7

c)   5   d)   3

19. $\frac{m}{25}$ = 0, solve the equation.

a)   1   b)   25

c)   0   d)   3

20. 5(p – 2) + 3(p + 1) = 33, solve the equation.

a)   2   b)   3

c)   4   d)   5