

Class 8 Mathematics Worksheet

Chapter: Linear Equations in One Variable

Name: _____

Class: VIII

Roll No.: _____

Date: _____

Section A: Solve the Following

1. $x + 7 = 15$

2. $y - 9 = 12$

3. $3a = 27$

4. $5m = 45$

5. $\frac{x}{4} = 6$



$$5. \frac{x}{4} = 6$$

$$6. \frac{y}{7} = 3$$

$$7. x + 12 = 30$$

$$8. 2x = 18$$

$$9. z - 14 = 11$$

$$10. \frac{p}{5} = 9$$

Section B: Solve the Equations

$$11. 2x + 5 = 17$$

$$12. 3y - 4 = 20$$

$$13. 5a + 7 = 32$$

$$14. 4m - 8 = 16$$

$$15. 7x + 3 = 24$$

$$16. 6y - 12 = 18$$

$$17. 8p + 9 = 41$$

$$18. 9a - 5 = 40$$



$$18. 9a - 5 = 40$$

$$19. 3x + 11 = 29$$

$$20. 4y - 7 = 21$$

Section C: Word Problems

21. A number increased by 8 is 25. Find the number.

22. Three times a number is 36. Find the number.

23. A number decreased by 15 gives 10. Find the number.

24. The sum of a number and 17 is 42. Find the number.

25. Five times a number plus 5 equals 30. Find the number.

Challenge Questions

$$26. 2(x + 4) = 20$$

$$27. 3(x - 2) = 21$$

$$28. 4(x + 5) = 36$$

$$29. \frac{x+6}{3} = 5$$

$$30. \frac{2x-4}{4} = 6$$

Learning Concept



$$y = 2x + 5$$

Teacher's Signature: _____

Parent's Signature: _____