



Name: _____

Date: _____

Unit 2 – Solving Equations with Variables on Both Sides

1. $5x + 8 = 3x + 38$

2. $7x - 5 = 5x + 9$

3. $6x + 5 = 2x + 73$

4. $7x + 15 = 2x + 50$

5. $7x + 9 = 2x + 59$

6. $5x + 18 = 2x + 51$

7. $4x + 3 = 2x + 25$

8. $9x + 8 = 4x + 53$

9. $8x - 1 = 5x + 25$

10. $8x - 5 = 4x + 53$



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Unit 2 – Solving Equations with Variables on Both Sides

11. $5x + 6 = 3x + 28$

12. $8x - 5 = 4x + 25$

13. $6x + 8 = 3x + 20$

14. $6x + 6 = 2x + 78$

15. $8x + 15 = 4x + 35$

16. $10x + 9 = 6x + 41$



Unit 2 – Solving Equations with Variables on Both Sides – Answer Key

1. $5x + 8 = 3x + 38$
 $x = 15$

2. $7x - 5 = 5x + 9$
 $x = 2$

3. $6x + 5 = 2x + 73$
 $x = 17$

4. $7x + 15 = 2x + 50$
 $x = 7$

5. $7x + 9 = 2x + 59$
 $x = 10$

6. $5x + 18 = 2x + 51$
 $x = 11$

7. $4x + 3 = 2x + 25$
 $x = 11$

8. $9x + 8 = 4x + 53$
 $x = 9$

9. $8x - 1 = 5x + 25$
 $x = 8$

10. $8x - 5 = 4x + 53$
 $x = 12$



Unit 2 – Solving Equations with Variables on Both Sides – Answer Key

11. $5x + 6 = 3x + 28$

$x = 11$

12. $8x - 5 = 4x + 25$

$x = 5$

13. $6x + 8 = 3x + 20$

$x = 4$

14. $6x + 6 = 2x + 78$

$x = 18$

15. $8x + 15 = 4x + 35$

$x = 5$

16. $10x + 9 = 6x + 41$

$x = 8$