



Name: _____

Date: _____

Unit 2 – Solving Equations with Variables on Both Sides

1. $5x = 2x + 6$

2. $8x = 6x + 4$

3. $7x - 40 = 4x - 1$

4. $5x = 3x + 18$

5. $9x - 75 = 3x - 3$

6. $2(x + 5) = x + 17$

7. $7x = 4x + 27$

8. $4(x + 7) = x + 43$

9. $9x = 7x + 18$

10. $5x = 2x + 18$



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Unit 2 – Solving Equations with Variables on Both Sides

11. $4(x + 5) = x + 53$

12. $4(x + 4) = x + 25$

13. $9x = 7x + 16$

14. $8x = 3x + 40$

15. $8x - 65 = 4x - 9$

16. $9x - 50 = 6x - 11$



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

1. $5x = 2x + 6$

$x = 2$

2. $8x = 6x + 4$

$x = 2$

3. $7x - 40 = 4x - 1$

$x = 13$

4. $5x = 3x + 18$

$x = 9$

5. $9x - 75 = 3x - 3$

$x = 12$

6. $2(x + 5) = x + 17$

$x = 7$

7. $7x = 4x + 27$

$x = 9$

8. $4(x + 7) = x + 43$

$x = 5$

9. $9x = 7x + 18$

$x = 9$

10. $5x = 2x + 18$

$x = 6$



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

11. $4(x + 5) = x + 53$

$x = 11$

12. $4(x + 4) = x + 25$

$x = 3$

13. $9x = 7x + 16$

$x = 8$

14. $8x = 3x + 40$

$x = 8$

15. $8x - 65 = 4x - 9$

$x = 14$

16. $9x - 50 = 6x - 11$

$x = 13$