



Name: _____

Date: _____

Unit 2 – Solving Equations with Variables on Both Sides

1. $8x = 3x + 30$

2. $7x = 3x + 40$

3. $4x + 7 = 3x + 14$

4. $5x + 7 = 3x + 27$

5. $8x = 4x + 8$

6. $8x = 3x + 20$

7. $5x + 6 = 3x + 10$

8. $6x = 4x + 6$

9. $8x = 4x + 36$

10. $6x = 4x + 8$



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Unit 2 – Solving Equations with Variables on Both Sides

$$11. 5x + 8 = 4x + 16$$

$$12. 4x + 8 = 3x + 19$$

$$13. 3x = 1x + 14$$

$$14. 6x = 1x + 30$$

$$15. 5x = 1x + 24$$

$$16. 8x = 3x + 50$$



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

1. $8x = 3x + 30$

$x = 6$

2. $7x = 3x + 40$

$x = 10$

3. $4x + 7 = 3x + 14$

$x = 7$

4. $5x + 7 = 3x + 27$

$x = 10$

5. $8x = 4x + 8$

$x = 2$

6. $8x = 3x + 20$

$x = 4$

7. $5x + 6 = 3x + 10$

$x = 2$

8. $6x = 4x + 6$

$x = 3$

9. $8x = 4x + 36$

$x = 9$

10. $6x = 4x + 8$

$x = 4$



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

$$11. 5x + 8 = 4x + 16$$

$$x = 8$$

$$12. 4x + 8 = 3x + 19$$

$$x = 11$$

$$13. 3x = 1x + 14$$

$$x = 7$$

$$14. 6x = 1x + 30$$

$$x = 6$$

$$15. 5x = 1x + 24$$

$$x = 6$$

$$16. 8x = 3x + 50$$

$$x = 10$$