



Name: _____

Date: _____

Solving Multi-Step Equations

Solve each two-step equation. Show your work.

1. $8x + 38 = 2x + 122$

2. $2(3x - 8) - 29 = -15$

3. $2(2x + 11) = 50$

4. $4(4x - 7) - 19 = 33$

5. $2(4x - 8) - 26 = 46$

6. $4(3x - 5) - 12 = 40$

7. $7x + 49 = 4x + 157$

8. $4(3x + 13) = 148$



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Solving Multi-Step Equations

Solve each two-step equation. Show your work.

9. $6x + 43 = 4x + 69$

10. $5x + 48 = 3x + 88$



Solving Multi-Step Equations – Answer Key

1. $8x + 38 = 2x + 122$

$x = 14$

2. $2(3x - 8) - 29 = -15$

$x = 5$

3. $2(2x + 11) = 50$

$x = 7$

4. $4(4x - 7) - 19 = 33$

$x = 5$

5. $2(4x - 8) - 26 = 46$

$x = 11$

6. $4(3x - 5) - 12 = 40$

$x = 6$

7. $7x + 49 = 4x + 157$

$x = 36$

8. $4(3x + 13) = 148$

$x = 8$



Solving Multi-Step Equations – Answer Key

9. $6x + 43 = 4x + 69$

$x = 13$

10. $5x + 48 = 3x + 88$

$x = 20$