Unit 2 - Solving Multi-Step Equations

Solve each two-step equation. Show your work.

1. $3x + 38 = 2x + 43$

2. $4x + 43 = 3x + 90$

3. $4(4x - 9) = 44$

4. $2(2x + 5) + 14 = 92$

5. $3(2x - 13) - 11 = 4$

6. $4x + 18 = 2x + 82$

7. $2(2x + 13) + 15 = 113$

8. $4x + 36 = 2x + 48$

Unit 2 - Solving Multi-Step Equations

Solve each two-step equation. Show your work.

9. $2(3x - 20) = 50$

10. $4(3x + 5) + 24 = 104$

11. $5(2x + 16) = 170$

12. $8x + 38 = 6x + 56$

13. $2(3x - 10) - 20 = 2$

14. $4(4x + 6) + 19 = 139$

15. $3x + 42 = 2x + 81$

16. $2(3x + 11) + 17 = 117$

Unit 2 - Solving Multi-Step Equations - Answer Key

1. $3x + 38 = 2x + 43$

   x = 5

2. $4x + 43 = 3x + 90$

   x = 47

3. $4(4x - 9) = 44$

   x = 5

4. $2(2x + 5) + 14 = 92$

   x = 17

5. $3(2x - 13) - 11 = 4$

   x = 9

6. $4x + 18 = 2x + 82$

   x = 32

7. $2(2x + 13) + 15 = 113$

   x = 18

8. $4x + 36 = 2x + 48$

   x = 6

Unit 2 – Solving Multi-Step Equations – Answer Key

9. $2(3x - 20) = 50$

    x = 15

10. $4(3x + 5) + 24 = 104$

    x = 5

11. $5(2x + 16) = 170$

    x = 9

12. $8x + 38 = 6x + 56$

    x = 9

13. $2(3x - 10) - 20 = 2$

    x = 7

14. $4(4x + 6) + 19 = 139$

    x = 6

15. $3x + 42 = 2x + 81$

    x = 39

16. $2(3x + 11) + 17 = 117$

    x = 13