



Name: _____

Date: _____

Unit 2 – Solving Multi-Step Equations

Solve each two-step equation. Show your work.

1. $\frac{x}{6} - 1 = 1$

2. $\frac{x}{5} - 2 = 1$

3. $\frac{x}{2} - 6 = 4$

4. $14x + 21 = 49$

5. $15x + 29 = 539$

6. $\frac{x}{8} - 1 = 2$

7. $5x - 27 = 193$

8. $\frac{x}{3} + 33 = 48$

9. $\frac{x}{2} - 12 = 13$

10. $14x - 11 = 73$



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Unit 2 – Solving Multi-Step Equations

Solve each two-step equation. Show your work.

11. $\frac{x}{3} + 49 = 65$

12. $\frac{x}{2} + 1 = 5$

13. $\frac{x}{6} - 1 = 2$

14. $\frac{x}{8} - 1 = 3$

15. $4x - 7 = 117$

16. $\frac{x}{4} - 1 = 2$



Unit 2 – Solving Multi-Step Equations – Answer Key

1. $\frac{x}{6} - 1 = 1$
 $x = 12$

2. $\frac{x}{5} - 2 = 1$
 $x = 15$

3. $\frac{x}{2} - 6 = 4$
 $x = 20$

4. $14x + 21 = 49$
 $x = 2$

5. $15x + 29 = 539$
 $x = 34$

6. $\frac{x}{8} - 1 = 2$
 $x = 24$

7. $5x - 27 = 193$
 $x = 44$

8. $\frac{x}{3} + 33 = 48$
 $x = 45$

9. $\frac{x}{2} - 12 = 13$
 $x = 50$

10. $14x - 11 = 73$
 $x = 6$



Unit 2 – Solving Multi-Step Equations – Answer Key

$$11. \frac{x}{3} + 49 = 65$$
$$x = 48$$

$$12. \frac{x}{2} + 1 = 5$$
$$x = 8$$

$$13. \frac{x}{6} - 1 = 2$$
$$x = 18$$

$$14. \frac{x}{8} - 1 = 3$$
$$x = 32$$

$$15. 4x - 7 = 117$$
$$x = 31$$

$$16. \frac{x}{4} - 1 = 2$$
$$x = 12$$