



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