

Name: _____

Two-Step Equations

Balance both sides of the equation by using inverse operations to get the variable alone and find its value.

examples:

$$2x + 5 = 21$$
$$\underline{-5} \quad \underline{-5}$$

$$\frac{2x}{2} = \frac{16}{2}$$

$$\underline{x = 8}$$

$$5 + \frac{y}{6} = 13$$
$$\underline{-5} \quad \underline{-5}$$

$$(6) \frac{y}{6} = 8 (6)$$

$$\underline{y = 48}$$

*Be sure to make the same change to **both** sides of the equal sign.



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4. $8b + 5 = 29$

5. $5d - 11 = 24$

6. $\frac{e}{4} - 2 = 5$

Two-Step Equations

7. $9f + 3 = 21$

8. $\frac{g}{3} - 2 = 1$

9. $6h + 16 = 46$



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13. $\frac{m}{4} - 2 = 6$

14. $3n - 4 = 20$

15. $\frac{p}{6} + 5 = 8$

ANSWER KEY

Two-Step Equations

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

2. $3a + 4 = 16$

3. $\frac{c}{2} - 5 = 25$

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$m = 32$

$n = 8$

$p = 18$