

Name: _____

Solving One-Step Equations

Multiplication and Division

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

examples:

$$\frac{3x}{3} = \frac{18}{3}$$

$$x = 6$$

$$(4) \frac{y}{4} = 5 (4)$$

$$y = 20$$

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

Solve each equation to find the value of the variable.

1. $2e = 4$

2. $24 = 6a$

3. $5c = 50$

4. $\frac{b}{7} = 9$

5. $7 = \frac{g}{3}$

6. $\frac{h}{2} = 25$

7. $32 = 4d$

8. $\frac{k}{2} = 9$

9. $7y = 42$

10. $\frac{m}{7} = 8$

11. $108 = 9r$

12. $15j = 30$

ANSWER KEY

Solving One-Step Equations

Multiplication and Division

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

examples:

$$\frac{3x}{3} = \frac{18}{3}$$

$$x = 6$$

$$(4) \frac{y}{4} = 5 (4)$$

$$y = 20$$

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

Solve each equation to find the value of the variable.

1. $2e = 4$

$$e = 2$$

2. $24 = 6a$

$$a = 4$$

3. $5c = 50$

$$c = 10$$

4. $\frac{b}{7} = 9$

$$b = 63$$

5. $7 = \frac{g}{3}$

$$g = 21$$

6. $\frac{h}{2} = 25$

$$h = 50$$

7. $32 = 4d$

$$d = 8$$

8. $\frac{k}{2} = 9$

$$k = 18$$

9. $7y = 42$

$$y = 6$$

10. $\frac{m}{7} = 8$

$$m = 56$$

11. $108 = 9r$

$$r = 12$$

12. $15j = 30$

$$j = 2$$