

Solving Equations by the Balance Method

Name: _____

Solve each of these 1-step equations by the balance method.

1. $y + 4 = 6$

2. $h - 2 = 9$

3. $5h = 25$

4. $\frac{y}{6} = 3$

5. $\frac{h}{4} = 7$

6. $r - 3 = 10$

Solve each of these 2-step equations by the balance method.

7. $3y + 4 = 12$

build solve
↓ ↑

8. $2h - 6 = 18$

build solve
↓ ↑

9. $4y + 2 = 26$

10. $\frac{y}{3} + 4 = 8$

11. $3(y + 5) = 18$

12. $2(a + 3) = 16$

Solving Equations by the Balance Method II

Name: _____

Solve each of these 2-step equations by the balance method

1. $4a + 6 = 18$

2. $3y - 9 = 3$

3. $\frac{y}{2} + 5 = 12$

4. $\frac{y+1}{3} = 3$

5. $5(h + 1) = 15$

6. $6(a - 2) = 12$

Challenge Questions!

$3(y + 1) - 3 = 27$

$\frac{y+2}{3} - 5 = 1$

Mega-Challenge Question!

$$\frac{2(k+3)}{4} - 1 = 3$$