

Practice 3-5

Solving Two-Step Equations

Solve each equation. Then check your answer.

1. $7m + 8 = 71$

2. $\frac{y}{7} + 6 = 11$

3. $12y + 2 = 146$

4. $\frac{m}{9} - 17 = 21$

5. $\frac{y}{-12} + 1 = 6$

6. $2a - 1 = 19$

7. $\frac{c}{9} - 8 = 17$

8. $-4t + 16 = 24$

9. $\frac{b}{-2} - 8 = -6$

10. $3d + 14 = 11$

11. $\frac{z}{17} - 1 = 8$

12. $\frac{e}{5} - 14 = 21$

13. $\frac{f}{-9} + 4 = 2$

14. $-2y + 16 = 10$

15. $4w - 26 = 82$

16. $\frac{j}{19} - 2 = -5$

Solve each equation.

17. $3n - 8 = 4$

18. $\frac{n}{5} - 4 = 11$

19. $2n - 3 = 9$

20. $1 + \frac{n}{4} = 9$

Match each sentence with a two-step equation.

21. Half of the height of a tree minus five equals fifteen.

A. $3n - 2 = 12$

B. $3n + 2 = 12$

22. Two less than three times the number of feet of fencing required equals twelve feet.

C. $\frac{n}{2} - 5 = 15$

D. $\frac{n}{4} - 8 = -5$

23. Eight less than the quotient of Dave's golf score and four equals negative five.

24. Three times Gail's age increased by two years equals twelve years.
