

Practice 2-4**Solving Multi-Step Equations****Solve each equation. Check the solution.**

1. $2(2.5b - 9) + 6b = -7$

3. $6(c + 4) = 4c - 18$

5. $24 = -6(m + 1) + 18$

7. $7k - 8 + 2(k + 12) = 52$

9. $4(1.5c + 6) - 2c = -9$

11. $9(d - 4) = 5d + 8$

13. $20 = -4(f + 6) + 14$

15. $0.7p + 4.6 = 7.3 - 0.2p$

17. $6(f + 5) = 2f - 8$

19. $0.5t + 4.1 = 5.7 - 0.3t$

21. A banquet is planned for 50 people. The caterer charges \$1,500 for the food. How much is that per person? Write an equation and solve.

2. $12y = 2y + 40$

4. $0.7w + 16 + 4w = 27.28$

6. $0.5m + 6.4 = 4.9 - 0.1m$

8. $14b = 16(b + 12)$

10. $7y = y - 42$

12. $0.5n + 17 + n = 20$

14. $12j = 16(j - 8)$

16. $9a - 4 + 3(a - 11) = 23$

18. $15p = 6(p - 9)$

20. $9q - 14 + 3(q - 8) = 7$

22. Stephanie is six years old. She is one year older than one-sixth the age of her mother. How old is Stephanie's mother? Write an equation and solve.
