

Lesson 1 Homework Practice

Solve Two-Step Equations

Solve each equation. Check your solution.

1. $3g + 5 = 17$

2. $9 = 4a + 13$

3. $13 = 5m - 2$

4. $-15 = 2t - 11$

5. $7k - 5 = -19$

6. $13 = 4x - 11$

7. $10 = \frac{z}{2} + 7$

8. $6 + \frac{n}{5} = -4$

9. $4 - 3y = 31$

10. $15 - 2b = -9$

11. $-\frac{1}{3}y - 6 = -11$

12. $16 - \frac{r}{7} = 21$

13. $30 = -5d - 5$

14. $5 + 3w = 20$

15. $5 + 8m = -11$

16. $-18 = 9x - 9$

17. $25 = 13 - 4s$

18. $6a + 6 = -18$

19. $4y + 5 = 21$

20. $7p - 3 = 32$

21. $-48 = 5v + 2$

22. $\frac{k-3}{4} = 10$

23. $\frac{z+5}{7} = -3$

24. $\frac{9+t}{12} = -3$

25. Mrs. Williams shops at a store that has an annual membership fee of \$30. Today she paid her annual membership and bought several fruit baskets costing \$15 each as gifts for her coworkers. Her total was \$105. Solve the equation $15b + 30 = 105$ to determine the number of fruit baskets Mrs. Williams purchased.

26. A card game has 50 cards. After dealing 7 cards to each player, Tupi has 15 cards left over. Solve the equation $50 - 7p = 15$ to determine the number of players.