

Practice Worksheet**1 Solving Equations Using More Than One Operation****Solve.**

1. $5x + 3 = 23$

2. $4 = 3a - 14$

3. $19 = 3y - 5$

4. $6 - 5c = -29$

5. $8 - 5w = -37$

6. $42 = 18 - 4v$

7. $0.4m - 3 = -1$

8. $3.2e + 2.6 = -23$

9. $\frac{n}{3} - 8 = -2$

10. $\frac{x}{-4} + 5 = 1$

11. $13 = \frac{w}{-3} - 4$

12. $-7 = \frac{c}{-6} + 12$

13. $\frac{3}{4}x - 7 = 8$

14. $-12 = 6 + \frac{2}{3}y$

15. $-17 = -32 - \frac{3}{5}f$

16. $8 - \frac{3}{8}k = -4$

17. $-14 = \frac{s + 12}{-6}$

18. $\frac{u + 12}{-4} = 5$

Define a variable, write an equation, and solve each problem. Some problems may have no solution.

19. Find two consecutive odd integers whose sum is 116.

20. Find two consecutive even integers whose sum is 126.

21. Find three consecutive odd integers whose sum is 117.

22. Find two consecutive even integers whose sum is 217.

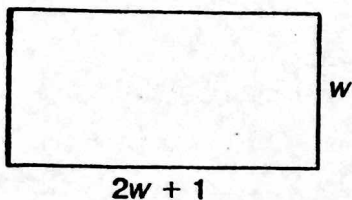
23. Find four consecutive odd integers whose sum is 8.

24. Find three consecutive even integers whose sum is 396.

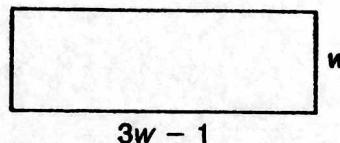
Solving Equations with the Variable on Both Sides

Find the dimensions of each rectangle. The perimeter is given.

1. $P = 98 \text{ m}$



2. $P = 70 \text{ yd}$



Solve and check each equation.

3. $4x - 9 = 7x + 12$

4. $6y - 3 = 6y + 8$

5. $3w + 2 = 2 - 10w$

6. $6z - 14 = 9z - 5$

7. $8m + 13 = 13 + 8m$

8. $8n - 13 = 13 - 8n$

9. $8x - 15 = 4x + 12$

10. $1.4f + 1.1 = 8.3 - f$

11. $-3(b - 8) - 5 = 9(b + 2) + 1$

12. $8p - 5(p + 3) = (7p - 1)3$

13. $-4(2 - 3x) = 7 - 2(x - 3)$

14. $2(a - 8) + 7 = 5(a + 2) - 3a - 19$

15. $-3k + 5(6 - k) = 4(1 - 2k)$

16. $-5(2r + 3) = 3(11 - 4r) - 58$

17. $\frac{3}{4}t - \frac{5}{4} = \frac{1}{3}t$

18. $\frac{1}{2}d + \frac{3}{8} = -2d$

19. $\frac{1}{3}n + \frac{3}{4} = \frac{5}{6}n - 1$

20. $\frac{1}{7}y + \frac{3}{4}y = 7\frac{1}{7}$