

Two-Step Equations

Solve.

1. $2c + 9 = 35$ _____
2. $\frac{v}{5} - 13 = 37$ _____
3. $7t - 3 = 60$ _____
4. $\frac{h}{4} + 7 = 12$ _____
5. $\frac{w}{20} - 1 = 15$ _____
6. $24 + 3a = 36$ _____
7. $73 = 12s - 23$ _____
8. $11y - 14 = 173$ _____
9. $8 + 1.3d = 36.6$ _____
10. $23 + \frac{b}{10} = 26$ _____
11. $18 = \frac{y}{2.5} - 2$ _____
12. $10 = \frac{3}{4}e + 7$ _____
13. $16m - 2 = 46$ _____
14. $\frac{s}{18} - \frac{1}{2} = 3\frac{1}{2}$ _____
15. $20 = \frac{z}{5} + 16$ _____
16. $5 = \frac{a}{3.1} - 1$ _____
17. $4 + \frac{p}{15} = 11$ _____
18. $\frac{5}{6} = \frac{2}{3}d - \frac{1}{6}$ _____
19. $25y + 7 = 157$ _____
20. $\frac{b}{12} - 2 = 10$ _____
21. $\frac{f}{0.4} + 1.6 = 9.6$ _____
22. $15 = 7.5 + 3u$ _____
23. $1\frac{5}{12} = \frac{3}{4} + 2w$ _____
24. $30t - 120 = 180$ _____

Problem Solving

25. A large pizza with cheese costs \$8.00. Each additional topping costs \$0.75. Glenn ordered a large pizza with toppings that cost \$10.25. Write a two-step equation to represent this situation. Solve it to find the number of additional toppings, t , on the pizza.

26. With a \$2-off coupon, 4 sandwiches at a restaurant cost \$5.16. Write a two-step equation to represent this situation. Solve it to find the original cost in dollars, c , of each sandwich.

