Name _____ Class _____ Date _____

Practice 2-1

Solving One-Step Equations

Solve each equation. Check your answer.

1. $g - 6 = 2$
2. $15 + b = 4$
3. $8 = h + 24$
4. $63 = 7x$
5. $x + 7 = 17$
6. $-2n = -46$
7. $\frac{c}{14} = -3$
8. $\frac{x}{2} = 13$
9. $\frac{a}{5} = 3$
10. $r - 63 = -37$
11. $5 + d = 27$
12. $2b = -16$
13. $4y = 48$
14. $c - 25 = 19$
15. $a + 4 = 9.6$
16. $x + 29 = 13$
17. $-3d = -63$
18. $3f = -21.6$
19. $-\frac{x}{8} = 12$
20. $a - \frac{1}{3} = \frac{2}{3}$
21. $n - 3 = -3$

Write an equation to model each situation. Then solve.

22. A stack of 12 bricks is 27 in. high. What is the height of each brick?
23. The sum of Juanita's age and Sara's age is 33 yr. If Sara is 15 years old, how old is Juanita?
24. The tallest player on the basketball team is $77\frac{3}{4}$ in. tall. This is $9\frac{1}{2}$ in. taller than the shortest player. How tall is the shortest player?
25. The equatorial diameter of Jupiter is about 89,000 mi. This is about 11.23 times the equatorial diameter of Earth. What is the equatorial diameter of Earth? Round to the nearest integer.
26. The distance from Baltimore to New York is about 171 mi. This is about 189 mi less than the distance from Baltimore to Boston. How far is Baltimore from Boston if you stop in New York along the way?

Solve each equation. Check your answer.

27. $y - 8 = -15$
28. $a + 27.7 = -36.6$
29. $3x = 27$
30. $a + 5 = -19$
31. $m - 9.5 = -27.4$
32. $-54 = -6s$
33. $x + \frac{1}{3} = \frac{5}{6}$
34. $-\frac{s}{3} = 7$
35. $\frac{m}{12} = -4.2$
36. $\frac{a}{3} = -11$
37. $-\frac{z}{8} = -3.7$
38. $-\frac{y}{11} = -6.1$
39. $-17.5 = 2.5d$
40. $b - 48 = -29$
41. $96 = -3h$
42. $-4.2x = 15.96$
43. $x + 87.8 = 38.1$
44. $-5x = 85$
45. $-\frac{x}{5} = 4.8$
46. $d + \frac{2}{3} = -\frac{1}{2}$
47. $-\frac{t}{2} = -9$
48. $45.6 = 6x$
49. $19.5 = -39.5 + f$
50. $m - 21 = -43$