

Practice 3-3

Solving One-Step Equations

Solve each equation. Check your answer.

1. $n + 2 = 5$

2. $x - 1 = -3$

3. $7 = a + 2$

4. $p + 2 = -6$

5. $-18 = -\frac{y}{2}$

6. $\frac{y}{16} = 3$

7. $-56 = 8r$

8. $9w = -63$

Use a calculator, paper and pencil, or mental math. Solve each equation.

9. $-3v = -48$

10. $13 = -\frac{x}{4}$

11. $28 = -4a$

12. $-\frac{t}{42} = 3$

13. $t + 43 = 28$

14. $-19 = r + 6$

15. $25 = r + 7$

16. $13 = 24 + c$

Write and solve an equation to represent each situation.

17. The odometer on your family car reads 20,186.7 after going 62.3 miles. How many miles were on the odometer before going 62.3 miles?
- _____

18. Michael bought a \$25.00 gift for a friend. After he bought the gift, Michael had \$176.89. Write and solve an equation to calculate how much money Michael had before he bought the gift.
- _____

19. This spring it rained a total of 11.5 inches. This was 3 inches less than last spring. Write and solve an equation to find the amount of rain last season.
- _____

20. One of the largest flowers, the Rafflesia, weighs about 15 lb. How many Rafflesia flowers can be placed in a container that can hold a maximum of 240 lb?
- _____

21. “Heavy water” is a name given to a compound used in some nuclear reactors. Heavy water costs about \$1,500 per gallon. If a nuclear plant spent \$10,500 on heavy water, how many gallons of heavy water were bought?
- _____