

Practice 4-4

Solving Equations by Multiplying or Dividing

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

1. $9n = 126$

2. $\frac{d}{3} = -81$

3. $-2t = 56$

4. $\frac{k}{-3} = 6$

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

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

7. $-56 = 8r$

8. $9w = -63$

9. $-3v = -48$

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

11. $28 = -4a$

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

13. $24 = \frac{f}{-4}$

14. $15 = -3j$

15. $102k = 408$

16. $\frac{b}{-96} = -3$

Solve and check each equation.

17. $\frac{x}{19} = -21$

18. $\frac{x}{-22} = -63$

19. $-41x = 164$

20. $\frac{x}{91} = -98$

21. $452 = -4x$

22. $50x = -2,500$

Write and solve an equation to represent each situation.

23. 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?
- _____

24. "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?
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