

LESSON
1.1**Practice A***For use with pages 2–7***Name the operation indicated by the expression.**

1. $19x$ 2. $5 - b$ 3. $14 \div m$ 4. $a + 24$

Evaluate the expression.

5. $y + 7$ when $y = 5$ 6. $13 - x$ when $x = 2$ 7. $4a$ when $a = 2.1$
 8. $9 + m$ when $m = 8.2$ 9. $h + 6$ when $h = 1.7$ 10. $42 \div g$ when $g = 2$
 11. $\frac{x}{5}$ when $x = 100$ 12. $\frac{52}{d}$ when $d = 13$ 13. $\frac{2}{3} \cdot t$ when $t = 6$
 14. $r(8.3)$ when $r = 10$ 15. $w + \frac{1}{4}$ when $w = \frac{3}{4}$ 16. $\frac{n}{14}$ when $n = 28$

Write the power in words and as a product.

17. 7^2 18. 4^5 19. 2^8

Write the power represented by the words or product.

20. $5 \cdot 5 \cdot 5$ 21. six squared 22. $x \cdot x \cdot x \cdot x$

Evaluate the power.

23. 3^2 24. 2^4 25. 1^5

Evaluate the expression.

26. x^2 when $x = 5$ 27. y^3 when $y = 3$ 28. m^8 when $m = 1$

29. **Window Treatments** You are ordering custom blinds for your bedroom windows. The ordering instructions are to measure the width of the window in inches and add a half-inch to this measurement. So, the blind width you order is given by the expression $w + 0.5$ where w is the width of your window.

- a. One of your windows measures 27 inches wide. What width blind should you order?
 b. The other window measures 28.5 inches wide. What width blind should you order?

30. **Skateboarding** A skate park charges \$10 per person for an all-day admission to the park. The total cost for n people to go to the park all day is $10n$. Eight friends go to the park on Saturday. What is the total cost of admission?

31. **Geometry** The area of a square with a side length of s is given by the expression s^2 . What is the area of the square shown?

