

LESSON
1.1**Practice A**

For use with the lesson "Evaluate Expressions"

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?

