Review & Refresh

Multiply.

1. 150×2 **2.** 175×8 **3.** 123×3 **4.** 151×9

Write the sentence as a numerical expression.

5. Add 5 and 8, then multiply by 4.

6. Subtract 7 from 11, then divide by 2.

Round the number to the indicated place value.

7. 4.03785 to the tenths

8. 12.89503 to the hundredths

Complete the sentence.

9. $\frac{1}{10}$ of 30 is _____.

10. $\frac{4}{5}$ of 25 is _____.

WRITING EXPRESSIONS USING EXPONENTS **Copy and complete the table.**
(See Exploration 1, p. 3.)

Repeated Factors	Using an Exponent	Value
11. 8×8		
12. $4 \times 4 \times 4$		
13. $9 \times 9 \times 9 \times 9$		
14. $12 \times 12 \times 12 \times 12$		

WRITING EXPRESSIONS AS POWERS **Write the product as a power.**

15. 9×9

16. 13×13

17. $15 \times 15 \times 15$

18. $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

19. $14 \times 14 \times 14$

20. $8 \cdot 8 \cdot 8 \cdot 8$

21. $11 \times 11 \times 11 \times 11 \times 11$

22. $7 \cdot 7 \cdot 7 \cdot 7 \cdot 7 \cdot 7$

23. $16 \cdot 16 \cdot 16 \cdot 16$

24. $43 \times 43 \times 43 \times 43 \times 43$

25. $167 \cdot 167 \cdot 167$

26. $245 \cdot 245 \cdot 245 \cdot 245$

FINDING VALUES OF POWERS **Find the value of the power.**

27. 5^2 **28.** 4^3 **29.** 6^2 **30.** 1^7

31. 0^3 **32.** 8^4 **33.** 2^4 **34.** 12^2

35. 7^3 **36.** 5^4 **37.** 2^5 **38.** 14^2

USING TOOLS **Use a calculator to find the value of the power.**

39. 7^6 **40.** 4^8 **41.** 12^4 **42.** 17^5

43. **YOU BE THE TEACHER** Your friend finds the value of 8^3. Is your friend correct? Explain your reasoning.

$8^3 = 8 \cdot 3 = 24$

IDENTIFYING PERFECT SQUARES **Determine whether the number is a perfect square.**

44. 8 **45.** 4 **46.** 81 **47.** 44

48. 49 **49.** 125 **50.** 150 **51.** 144