

Chapter 2 93



On Your Own

Record the product. Use expanded form to help.

- **4.** $4 \times 21 =$ _____
- 6. **GODEEPER** A hotel has 128 rooms on each floor. There are 4 floors in all. If 334 of the rooms in the hotel have been cleaned, how many rooms still need to be cleaned?

5. $6 \times 35 =$ _____

- 7. **GODEEPER** Ben wants to buy 2 blue sweaters for \$119 each and 3 brown sweaters for \$44 each. How much will Ben spend on the five sweaters?
- 8. **GODEEPER** A jeweler has 36 inches of silver chain. She needs 5 times that much to make some necklaces and 3 times that amount to make some bracelets. How much silver chain does the jeweler need to make her necklaces and bracelets?
- **9. GODEEPER** Gretchen walks her dog 3 times a day. Each time she walks the dog, she walks 1,760 yards. How many yards does she walk her dog in 3 days?
- **10. Write an Expression** Which expression could you write to show how to multiply 9×856 using place value and expanded form?
- **11. GODEEPER** Jennifer bought 4 packages of tacks. There are 48 tacks in a package. She used 160 of the tacks to put up posters. How many tacks does she have left? Explain.

Show Your Work

Problem Solving • Applications

Use the table for 12–13.

Sacco Nursery Pl	ant Sale Pri	ices per Tree	
Tree	Regular Price	Discounted Price (4 or more)	
Flowering Cherry	\$59	\$51	6.317
Italian Cypress	\$79	\$67	6ALA
Muskogee Crape Myrtle	\$39	\$34	
Royal Empress	\$29	\$25	1 me

- **12.** What is the total cost of 3 Italian cypress trees?
- 13. THINK SMARTER What's the Error?

Tanya says that the difference in the cost of 4 flowering cherry trees and 4 Muskogee crape myrtles is \$80. Is she correct? Explain.



WRITE Math • Show Your Work

14. WRITE Math What is the greatest possible product of a 2-digit number and a 1-digit number? Explain how you know.

$$(5 \times \begin{array}{c} 30 \\ 300 \end{array}) + (5 \times \begin{array}{c} 8 \\ 80 \end{array}) + (5 \times \begin{array}{c} 1 \\ 10 \end{array})$$

Record the product. Use expanded form to help.

Multiply Using Expanded Form

- **1.** $7 \times 14 =$ **98** $7 \times 14 = 7 \times (10 + 4)$ $= (7 \times 10) + (7 \times 4)$ = 70 + 28= 98
- **3.** $6 \times 532 =$ _____

Problem Solving Real

- **5.** The fourth-grade students at Riverside School are going on a field trip. There are 68 students on each of the 4 buses. How many students are going on the field trip?
- 6. There are 5,280 feet in one mile. Hannah likes to walk 5 miles each week for exercise. How many feet does Hannah walk each week?

7. **WRITE** Math Explain how you can find 3×584 using expanded form.

Practice and Homework Lesson 2.6



2. $8 \times 43 =$ _____

COMMON CORE STANDARD—**4.NBT.B.5** Use place value understanding and properties of operations to perform multi-digit arithmetic.



4. 5 × 923 =

Lesson Check (4.NBT.B.5)

- 1. Write an expression that shows how to multiply 7×256 using expanded form and the Distributive Property.
- 2. Sue uses the expression $(8 \times 3,000) + (8 \times 200) + (8 \times 9)$ to help solve a multiplication problem. What is Sue's multiplication problem?

Spiral Review (4.NBT.A.1, 4.NBT.A.2, 4.NBT.B.5)

- **3.** What is another way to write 9×200 ?
- **4.** What is the value of the digit 4 in 46,000?

- **5.** Chris bought 6 packages of napkins for his restaurant. There were 200 napkins in each package. How many napkins did Chris buy?
- 6. List these numbers in order from **least** to **greatest**.

8,251; 8,125; 8,512

