

Name _____

Multiply Using Expanded Form

COMMON CORE STANDARD CC.4.NBT.5

Use place value understanding and properties of operations to perform multi-digit arithmetic.

Record the product. Use expanded form to help.

1. $7 \times 14 = \underline{\quad 98 \quad}$

$$\begin{aligned} 7 \times 14 &= 7 \times (10 + 4) \\ &= (7 \times 10) + (7 \times 4) \\ &= 70 + 28 \\ &= 98 \end{aligned}$$

2. $8 \times 43 = \underline{\hspace{2cm}}$

3. $6 \times 532 = \underline{\hspace{2cm}}$

4. $5 \times 923 = \underline{\hspace{2cm}}$

5. $4 \times 2,371 = \underline{\hspace{2cm}}$

6. $7 \times 1,829 = \underline{\hspace{2cm}}$

Problem Solving 

7. 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?
8. 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?

Lesson Check (CC.4.NBT.5)

- Which expression shows how to multiply 7×256 by using expanded form and the Distributive Property?
 - $(7 \times 2) + (7 \times 5) + (7 \times 6)$
 - $(7 \times 200) + (7 \times 500) + (7 \times 600)$
 - $(7 \times 2) + (7 \times 50) + (7 \times 600)$
 - $(7 \times 200) + (7 \times 50) + (7 \times 6)$
- Sue uses the expression $(8 \times 3,000) + (8 \times 200) + (8 \times 9)$ to help solve a multiplication problem. Which is Sue's multiplication problem?
 - 8×329
 - $8 \times 3,029$
 - $8 \times 3,209$
 - $8 \times 3,290$

Spiral Review (CC.4.NBT.1, CC.4.NBT.2, CC.4.NBT.5)

- What is another way to write 9×200 ? (Lesson 1.5)
 - 18 ones
 - 18 tens
 - 18 hundreds
 - 18 thousands
- What is the value of the digit 4 in 46,000? (Lesson 1.1)
 - 4 ten thousands
 - 4 thousands
 - 4 hundreds
 - 4 tens
- Chris bought 6 packages of napkins for his restaurant. There were 200 napkins in each package. How many napkins did Chris buy? (Lesson 2.3)
 - 120
 - 1,200
 - 12,000
 - 120,000
- Which of the following lists the numbers in order from **least to greatest**? (Lesson 1.3)
 - 8,512; 8,251; 8,125
 - 8,251; 8,125; 8,512
 - 8,125; 8,512; 8,251
 - 8,125; 8,251; 8,512