Name _____ Date _____

Multiplying Up to Four Digits by One Digit: Partial Products and Place Value

Directions: Break the larger number into thousands, hundreds, tens and ones. Multiply each part, then add the partial products. Type each answer without a comma.

1. Break 43 into 40 and 3 to multiply 6×43. What is the product?

_____

2. Use partial products to find 7×58. Type each missing number.

$7 \times 50 =$ _____ and $7 \times 8 =$ _____. Add them to get $7 \times 58 =$ _____.

3. A ferry carries 218 cars on each trip across the bay. How many cars does it carry in 4 trips?

_____ cars

4. A rectangle is 5 units wide and 317 units long. To find 5×317, split the rectangle into three smaller rectangles: one for the hundreds, one for the tens and one for the ones. Which sum equals the area of the large rectangle?

A. $(5 + 300) + (5 + 10) + (5 + 7)$ B. $(5 \times 300) + 10 + 7$

C. $(5 \times 3) + (5 \times 1) + (5 \times 7)$ D. $(5 \times 300) + (5 \times 10) + (5 \times 7)$

5. Find 8×405. Type the product without a comma.

_____

6. Two partial products are missing from this work for $3 \times 3{,}142$. Choose each one.

Word bank

90 • 9,000 • 900 • 12 • 120 • 1,200

$3 \times 3{,}000 =$ _____, $3 \times 100 = 300$, $3 \times 40 =$ _____ and $3 \times 2 = 6$. The partial products add up to 9,426.

7. Multiply 1,326 by 7. Leave out the comma when you type the product.

_____

8. Dario multiplies $4 \times 2{,}075$. He writes three partial products: 800, 280 and 20. One of them is wrong. Which partial product is wrong?

A. 280 B. 800 C. 20

9. Each water truck carries 1,640 gallons. How many gallons do 5 trucks carry? Type the number with no comma.

_____ gallons

10. A print shop prints 1,275 flyers each day for 6 days. Then it hands out 450 of the flyers at a parade. How many flyers are left? Do not type a comma in your answer.

_____ flyers