



# Multi-Digit Multiplication

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 4

## Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence:

$492 \times 7 = 3,344$  because  $2 \times 7 = 14$ , carry the 1, then  $9 \times 7 = 63$  plus 1 = 64, carry the 6, then  $4 \times 7 = 28$  plus 6 = 34.

Rewrite: \_\_\_\_\_

2. Fix the sentence:

$1,308 \times 5 = 6,540$  because  $8 \times 5 = 40$ , carry the 4, then  $0 \times 5 = 0$  plus 4 = 4, then  $3 \times 5 = 15$ , carry the 1, then  $1 \times 5 = 5$  plus 1 = 6.

Rewrite: \_\_\_\_\_

3. Fix the sentence:

To find  $56 \times 23$  using partial products, compute  $56 \times 3 = 168$  and  $56 \times 2 = 112$ , then add  $168 + 112 = 280$ .

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

1.  $827 \times 9 =$  \_\_\_\_\_

2.  $3,105 \times 3 =$  \_\_\_\_\_

3. When you regroup in multiplication, you \_\_\_\_\_ the extra amount to the next place value.

4. To estimate  $389 \times 4$ , round 389 to 400 and multiply:  $400 \times 4 =$  \_\_\_\_\_

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain step by step how to multiply  $364 \times 5$ .

\_\_\_\_\_

\_\_\_\_\_

2. A bookstore receives 24 boxes of books. Each box holds 16 books. How many books does the store \_\_\_\_\_

## Answer Key · Multi-Digit Multiplication · Grade: Grade 4

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### Part A: Fix the Sentence

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Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence:

$492 \times 7 = 3,344$  because  $2 \times 7 = 14$ , carry the 1, then  $9 \times 7 = 63$  plus  $1 = 64$ , carry the 6, then  $4 \times 7 = 28$  plus  $6 = 34$ .

Rewrite:  $492 \times 7 = 3,444$  because  $2 \times 7 = 14$ , write 4 carry 1, then  $9 \times 7 = 63$  plus  $1 = 64$ , write 4 carry 6, then  $4 \times 7 = 28$  plus  $6 = 34$ .

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2. Fix the sentence:

$1,308 \times 5 = 6,540$  because  $8 \times 5 = 40$ , carry the 4, then  $0 \times 5 = 0$  plus  $4 = 4$ , then  $3 \times 5 = 15$ , carry the 1, then  $1 \times 5 = 5$  plus  $1 = 6$ .

Rewrite:  $1,308 \times 5 = 6,540$  because  $8 \times 5 = 40$ , write 0 carry 4, then  $0 \times 5 = 0$  plus  $4 = 4$ , then  $3 \times 5 = 15$  write 5 carry 1, then  $1 \times 5 = 5$  plus  $1 = 6$ .

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3. Fix the sentence:

To find  $56 \times 23$  using partial products, compute  $56 \times 3 = 168$  and  $56 \times 2 = 112$ , then add  $168 + 112 = 280$ .

Rewrite: To find  $56 \times 23$  using partial products, compute  $56 \times 3 = 168$  and  $56 \times 20 = 1,120$ , then add  $168 + 1,120 = 1,288$ .

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### Part B: Fill in the Blank

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Write the missing word or number on each line.

- $827 \times 9 = \underline{7,443}$
- $3,105 \times 3 = \underline{9,315}$
- When you regroup in multiplication, you carry the extra amount to the next place value.
- To estimate  $389 \times 4$ , round 389 to 400 and multiply:  $400 \times 4 = \underline{1,600}$

### Part C: Short Answer

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Answer each question in one or two complete sentences.

1. Explain step by step how to multiply  $364 \times 5$ .

*Multiply  $4 \times 5 = 20$ , write 0 carry 2. Then  $6 \times 5 = 30$  plus  $2 = 32$ , write 2 carry 3. Then  $3 \times 5 = 15$  plus  $3 = 18$ . The answer is 1,820.*