



Multi-Digit Multiplication

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

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

1. Fix the sentence: To multiply 245 by 6, I add 245 plus 6 to get 251 as the product.

Rewrite: _____

2. Fix the sentence:

When multiplying 132 by 4, I write the answer as 428 because 4 times 1 is 4, 4 times 3 is 12, and 4 times 2 is 8.

Rewrite: _____

3. Fix the sentence: I multiplied 318 by 7 and got 2,156 by forgetting to add the carried digit.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

- The product of 245 and 6 is _____.
- When you multiply 124 by 3, the product is _____.
- The result of multiplying 213 by 4 equals _____.
- The product when 318 is multiplied by 7 is _____.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how you would multiply 245 by 6 using the standard algorithm.

2. How does place value help you multiply 132 by 4 correctly?

Answer Key · Multi-Digit Multiplication · Grade: Grade 5

Part A: Fix the Sentence

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

1. Fix the sentence: To multiply 245 by 6, I add 245 plus 6 to get 251 as the product.

Rewrite: To multiply 245 by 6, I multiply each place value: 6 ones times 245 equals 1,470 as the product.

2. Fix the sentence:

When multiplying 132 by 4, I write the answer as 428 because 4 times 1 is 4, 4 times 3 is 12, and 4 times 2 is 8.

Rewrite: When multiplying 132 by 4, I write the answer as 528 by multiplying right to left with place value: 4 times 2 ones is 8, 4 times 3 tens is 120, and 4 times 1 hundred is 400.

3. Fix the sentence: I multiplied 318 by 7 and got 2,156 by forgetting to add the carried digit.

Rewrite: I multiplied 318 by 7 and got 2,226 by adding the carried digit at each step of the standard algorithm.

Part B: Fill in the Blank

Write the missing word or number on each line.

- The product of 245 and 6 is 1470.
- When you multiply 124 by 3, the product is 372.
- The result of multiplying 213 by 4 equals 852.
- The product when 318 is multiplied by 7 is 2226.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how you would multiply 245 by 6 using the standard algorithm.

I line up 245 with 6 below the ones place. I multiply 6 times 5 ones equals 30, write 0 and carry 3. Next I multiply 6 times 4 tens equals 24 tens, plus the carried 3 makes 27 tens, write 7 and carry 2. Then 6 times 2 hundreds equals 12 hundreds, plus the carried 2 makes 14 hundreds. The final product is 1,470.
