



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 find 4,567 times 8, I just multiply 4 times 8 and get 32 as the answer.

Rewrite: _____

2. Fix the sentence:

When multiplying 2,345 by 5, I wrote 10,025 because I forgot to carry from the tens place.

Rewrite: _____

3. Fix the sentence: I added 1,234 plus 6 instead of multiplying, so I got 1,240 as my product.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

- The product of 4,567 and 8 is _____.
- When 2,345 is multiplied by 5, the product is _____.
- Multiplying 1,234 by 6 gives a product of _____.
- The result of 3,021 times 7 equals _____.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Describe how you multiply 4,567 by 8 step by step.

2. Why is it important to handle the zero in 3,021 carefully when multiplying by 7?

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 find 4,567 times 8, I just multiply 4 times 8 and get 32 as the answer.

Rewrite: To find 4,567 times 8, I multiply each digit by 8 using place value, carrying as needed, to get 36,536 as the answer.

2. Fix the sentence:

When multiplying 2,345 by 5, I wrote 10,025 because I forgot to carry from the tens place.

Rewrite: When multiplying 2,345 by 5, I wrote 11,725 by carefully tracking each carry from ones to tens to hundreds to thousands.

3. Fix the sentence: I added 1,234 plus 6 instead of multiplying, so I got 1,240 as my product.

Rewrite: I multiplied 1,234 by 6 using the standard algorithm, so I got 7,404 as my product.

Part B: Fill in the Blank

Write the missing word or number on each line.

- The product of 4,567 and 8 is 36536 .
- When 2,345 is multiplied by 5, the product is 11725 .
- Multiplying 1,234 by 6 gives a product of 7404 .
- The result of 3,021 times 7 equals 21147 .

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Describe how you multiply 4,567 by 8 step by step.

I write 4,567 with 8 below the ones place. I multiply 8 times 7 equals 56, write 6 and carry 5. Then 8 times 6 equals 48, plus 5 is 53, write 3 and carry 5. Next 8 times 5 equals 40, plus 5 is 45, write 5 and carry 4. Last, 8 times 4 equals 32, plus 4 is 36, write 36. The final product is 36,536.

2. Why is it important to handle the zero in 3,021 carefully when multiplying by 7?
-