



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:

$672 \times 5 = 3,260$ because $2 \times 5 = 10$, carry the 1, then $7 \times 5 = 35$ plus 1 = 36, carry the 3, then $6 \times 5 = 30$ plus 3 = 33.

Rewrite: _____

2. Fix the sentence:

$2,143 \times 3 = 6,329$ because $3 \times 3 = 9$, $4 \times 3 = 12$, carry the 1, $1 \times 3 = 3$ plus 1 = 4, $2 \times 3 = 6$.

Rewrite: _____

3. Fix the sentence:

$509 \times 8 = 4,062$ because $9 \times 8 = 72$, carry the 7, then $0 \times 8 = 0$ plus 7 = 7, then $5 \times 8 = 40$.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. $1,325 \times 4 =$ _____

2. $847 \times 6 =$ _____

3. $2,006 \times 3 =$ _____

4. When multiplying a number by _____, the product is always zero.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why is it important to line up digits by place value when multiplying?

2. A school orders 1,250 pencils for each of 4 classrooms. How many pencils are ordered in total?

Part A: Fix the Sentence

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

1. Fix the sentence:

$672 \times 5 = 3,260$ because $2 \times 5 = 10$, carry the 1, then $7 \times 5 = 35$ plus 1 = 36, carry the 3, then $6 \times 5 = 30$ plus 3 = 33.

Rewrite: $672 \times 5 = 3,360$ because $2 \times 5 = 10$, write 0 carry 1, then $7 \times 5 = 35$ plus 1 = 36, write 6 carry 3, then $6 \times 5 = 30$ plus 3 = 33.

2. Fix the sentence:

$2,143 \times 3 = 6,329$ because $3 \times 3 = 9$, $4 \times 3 = 12$, carry the 1, $1 \times 3 = 3$ plus 1 = 4, $2 \times 3 = 6$.

Rewrite: $2,143 \times 3 = 6,429$ because $3 \times 3 = 9$, $4 \times 3 = 12$ write 2 carry 1, $1 \times 3 = 3$ plus 1 = 4, $2 \times 3 = 6$.

3. Fix the sentence:

$509 \times 8 = 4,062$ because $9 \times 8 = 72$, carry the 7, then $0 \times 8 = 0$ plus 7 = 7, then $5 \times 8 = 40$.

Rewrite: $509 \times 8 = 4,072$ because $9 \times 8 = 72$, write 2 carry 7, then $0 \times 8 = 0$ plus 7 = 7, then $5 \times 8 = 40$.

Part B: Fill in the Blank

Write the missing word or number on each line.

1. $1,325 \times 4 = \underline{5,300}$

2. $847 \times 6 = \underline{5,082}$

3. $2,006 \times 3 = \underline{6,018}$

4. When multiplying a number by 0, the product is always zero.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why is it important to line up digits by place value when multiplying?

Lining up digits by place value keeps ones, tens, hundreds, and thousands in the correct columns so carried numbers are added to the right place.
