



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:

To multiply 36×14 using partial products, find $36 \times 4 = 144$ and $36 \times 1 = 36$, then add $144 + 36 = 180$.

Rewrite: _____

2. Fix the sentence:

Using the area model for 43×25 , split 25 into 20 and 5, so the partial products are $43 \times 20 = 860$ and $43 \times 5 = 215$, giving $860 + 215 = 1,085$.

Rewrite: _____

3. Fix the sentence:

$734 \times 6 = 4,304$ because $4 \times 6 = 24$, carry the 2, then $3 \times 6 = 18$ plus 2 = 20, carry the 2, then $7 \times 6 = 42$ plus 2 = 44.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

- Using partial products, $52 \times 13 = 52 \times 3 + 52 \times 10 = 156 + \underline{\hspace{2cm}} = 676$
- In the area model for 28×15 , one rectangle is $28 \times 10 = 280$ and the other is $28 \times 5 = \underline{\hspace{2cm}}$
- $645 \times 8 = \underline{\hspace{2cm}}$
- The area model breaks a multiplication problem into smaller that are easier to solve.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Use partial products to solve 47×12 . Show the two partial products and the final answer.

2. A parking lot has 18 rows with 25 spaces in each row. How many parking spaces are there in all?

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

Part A: Fix the Sentence

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

1. Fix the sentence:

To multiply 36×14 using partial products, find $36 \times 4 = 144$ and $36 \times 1 = 36$, then add $144 + 36 = 180$.

Rewrite: To multiply 36×14 using partial products, find $36 \times 4 = 144$ and $36 \times 10 = 360$, then add $144 + 360 = 504$.

2. Fix the sentence:

Using the area model for 43×25 , split 25 into 20 and 5, so the partial products are $43 \times 20 = 860$ and $43 \times 5 = 215$, giving $860 + 215 = 1,085$.

Rewrite: Using the area model for 43×25 , split 25 into 20 and 5, so the partial products are $43 \times 20 = 860$ and $43 \times 5 = 215$, giving $860 + 215 = 1,075$.

3. Fix the sentence:

$734 \times 6 = 4,304$ because $4 \times 6 = 24$, carry the 2, then $3 \times 6 = 18$ plus 2 = 20, carry the 2, then $7 \times 6 = 42$ plus 2 = 44.

Rewrite: $734 \times 6 = 4,404$ because $4 \times 6 = 24$, write 4 carry 2, then $3 \times 6 = 18$ plus 2 = 20, write 0 carry 2, then $7 \times 6 = 42$ plus 2 = 44.

Part B: Fill in the Blank

Write the missing word or number on each line.

- Using partial products, $52 \times 13 = 52 \times 3 + 52 \times 10 = 156 + \underline{520} = 676$
- In the area model for 28×15 , one rectangle is $28 \times 10 = 280$ and the other is $28 \times 5 = \underline{140}$
- $645 \times 8 = \underline{5,160}$
- The area model breaks a multiplication problem into smaller parts that are easier to solve.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Use partial products to solve 47×12 . Show the two partial products and the final answer.

$47 \times 2 = 94$ and $47 \times 10 = 470$. Adding the partial products gives $94 + 470 = 564$.