



Properties of Multiplication

Name: _____

Date: _____

Grade: Grade 3

Part A: Fix the Sentence

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

1. Fix the sentence: In Grade 3, 5×0 equals 5 because the five stays alone.

Rewrite: _____

2. Fix the sentence: Grade 3: 0×12 equals 12 since zero does nothing.

Rewrite: _____

3. Fix the sentence: For Grade 3, $7 \times 0 = 70$ because we stick a zero on the end.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

- Grade 3 zero property: $6 \times 0 =$ _____ because any factor times zero is zero.
- Grade 3: $0 \times 48 =$ _____ using the zero property of multiplication.
- Grade 3: $(4 \times 3) \times 0 =$ _____ using the zero property.
- Grade 3: $0 \times 0 =$ _____ using the zero property of multiplication.

Part C: True or False?

Read each statement. Circle True or False.

- Grade 3 zero property says $9 \times 0 = 0$. True False
- Grade 3: $0 \times 15 = 15$ under the zero property. True False
- Grade 3: the zero property makes every product with a 0 factor equal 0. True False

Answer Key · Properties of Multiplication · Grade: Grade 3

Part A: Fix the Sentence

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

1. Fix the sentence: In Grade 3, 5×0 equals 5 because the five stays alone.

Rewrite: In Grade 3, 5×0 equals 0 because the zero property makes the product zero.

2. Fix the sentence: Grade 3: 0×12 equals 12 since zero does nothing.

Rewrite: Grade 3: 0×12 equals 0 since multiplying by zero gives zero.

3. Fix the sentence: For Grade 3, $7 \times 0 = 70$ because we stick a zero on the end.

Rewrite: For Grade 3, $7 \times 0 = 0$ because the zero property gives zero.

Part B: Fill in the Blank

Write the missing word or number on each line.

- Grade 3 zero property: $6 \times 0 = \underline{0}$ because any factor times zero is zero.
- Grade 3: $0 \times 48 = \underline{0}$ using the zero property of multiplication.
- Grade 3: $(4 \times 3) \times 0 = \underline{0}$ using the zero property.
- Grade 3: $0 \times 0 = \underline{0}$ using the zero property of multiplication.

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- Grade 3 zero property says $9 \times 0 = 0$. True False
- Grade 3: $0 \times 15 = 15$ under the zero property. True False
- Grade 3: the zero property makes every product with a 0 factor equal 0. True False