



# Properties of Multiplication

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 3

## Part A: Multiple Choice

Circle the best answer for each question.

1. In Grade 3, which product shows the identity property of multiplication?

- A)  $7 \times 1 = 7$
- B)  $7 \times 0 = 0$
- C)  $7 \times 2 = 14$
- D)  $7 + 1 = 8$

2. A Grade 3 student multiplies  $485 \times 0$ . What is the product?

- A) 485
- B) 0
- C) 1
- D) 4850

3. In Grade 3, which expression equals 9 by the identity property?

- A)  $9 \times 0$
- B)  $9 + 0$
- C)  $9 \times 1$
- D)  $9 - 1$

4. In Grade 3,  $6 \times (3 \times 0)$  equals what number?

- A) 18
- B) 9
- C) 6
- D) 0

## Part B: Fill in the Blank

Write the correct answer on each line.

1. In Grade 3,  $847 \times 1 =$  \_\_\_\_\_ by the identity property.
2. A Grade 3 student finds  $9 \times 0 =$  \_\_\_\_\_ by the zero property.
3. In Grade 3,  $(5 \times 0) \times 12 =$  \_\_\_\_\_ because one factor is zero.
4. A Grade 3 learner uses  $7 \times 8 = 7 \times 5 + 7 \times$  \_\_\_\_\_ to distribute.
5. In Grade 3,  $1 \times 256 =$  \_\_\_\_\_ by the identity property.

**Part A: Multiple Choice**

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1. In Grade 3, which product shows the identity property of multiplication?

- A)  $7 \times 1 = 7$
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3. In Grade 3, which expression equals 9 by the identity property?

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- B)  $9 + 0$
- C)  $9 \times 1$
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4. In Grade 3,  $6 \times (3 \times 0)$  equals what number?

- A) 18
- B) 9
- C) 6
- D) 0

**Part B: Fill in the Blank**

Write the correct answer on each line.

1. In Grade 3,  $847 \times 1 = \underline{847}$  by the identity property.
2. A Grade 3 student finds  $9 \times 0 = \underline{0}$  by the zero property.
3. In Grade 3,  $(5 \times 0) \times 12 = \underline{0}$  because one factor is zero.
4. A Grade 3 learner uses  $7 \times 8 = 7 \times 5 + 7 \times \underline{3}$  to distribute.
5. In Grade 3,  $1 \times 256 = \underline{256}$  by the identity property.