



Properties of Multiplication

Name: _____

Date: _____

Grade: Grade 3

Part A: Multiple Choice

Circle the best answer for each question.

1. In Grade 3, which property lets you rewrite 8×7 as 7×8 ?

- A) Associative property
- B) Commutative property
- C) Distributive property
- D) Zero property

2. A Grade 3 student rewrites $(2 \times 3) \times 5$ as $2 \times (3 \times 5)$. Which property is used?

- A) Commutative property
- B) Zero property
- C) Associative property
- D) Identity property

3. In Grade 3, which property is used when writing 6×9 as $6 \times 10 - 6 \times 1$?

- A) Distributive property
- B) Identity property
- C) Zero property
- D) Commutative property

4. A Grade 3 student writes $12 \times 1 = 12$ and $12 \times 0 = 0$. Which two properties are shown?

- A) Commutative and associative
- B) Associative and distributive
- C) Identity and zero
- D) Distributive and zero

Part B: Fill in the Blank

Write the correct answer on each line.

1. In Grade 3, $7 \times 8 = 7 \times 5 + 7 \times 3$, which uses the _____ property.
2. A Grade 3 student writes $4 \times 6 = 6 \times 4$, which uses the _____ property.
3. In Grade 3, $100 \times 1 = 100$ shows the _____ property.
4. A Grade 3 learner writes $(5 \times 2) \times 3 = 5 \times (2 \times 3)$ using the _____ property.
5. In Grade 3, $348 \times 0 = 0$ uses the _____ property.

Answer Key · Properties of Multiplication · Grade: Grade 3

Part A: Multiple Choice

Circle the best answer for each question.

1. In Grade 3, which property lets you rewrite 8×7 as 7×8 ?

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- B) Commutative property
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- D) Zero property

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- A) Commutative and associative
- B) Associative and distributive
- C) Identity and zero
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Part B: Fill in the Blank

Write the correct answer on each line.

1. In Grade 3, $7 \times 8 = 7 \times 5 + 7 \times 3$, which uses the distributive property.
2. A Grade 3 student writes $4 \times 6 = 6 \times 4$, which uses the commutative property.
3. In Grade 3, $100 \times 1 = 100$ shows the identity property.
4. A Grade 3 learner writes $(5 \times 2) \times 3 = 5 \times (2 \times 3)$ using the associative property.
5. In Grade 3, $348 \times 0 = 0$ uses the zero property.