

Name: _____ Date: _____ Score: _____

Identify the mathematical property represented by each equation

1). $n + 0 = n$

- associative property of addition
- commutative property of multiplication
- identity property of addition
- associative property of multiplication

2). $z + 7 = 7 + z$

- property of zero
- commutative property of addition
- identity property of multiplication
- associative property of addition

3). $8 + (z + 9) = (8 + z) + 9$

- identity property of multiplication
- associative property of addition
- commutative property of multiplication
- identity property of addition

4). $b + 3 = 3 + b$

- commutative property of addition
- identity property of multiplication
- associative property of addition
- commutative property of multiplication

5). $b + 4 = 4 + b$

- property of zero
- commutative property of addition
- identity property of multiplication
- associative property of addition

6). $y \times 0 = 0$

- associative property of multiplication
- property of zero
- commutative property of addition
- identity property of multiplication

7). $z \times 0 = 0$

- commutative property of multiplication
- identity property of addition
- associative property of multiplication
- property of zero

8). $z \times 8 = 8 \times z$

- associative property of addition
- commutative property of multiplication
- identity property of addition
- associative property of multiplication

9). $c + 0 = c$

- identity property of multiplication
- associative property of addition
- commutative property of multiplication
- identity property of addition

10). $n + 4 = 4 + n$

- commutative property of addition
- identity property of multiplication
- associative property of addition
- commutative property of multiplication

Answers

1). $n + 0 = n$

- associative property of addition
- commutative property of multiplication
- identity property of addition
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2). $z + 7 = 7 + z$

- property of zero
- commutative property of addition
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3). $8 + (z + 9) = (8 + z) + 9$

- identity property of multiplication
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4). $b + 3 = 3 + b$

- commutative property of addition
- identity property of multiplication
- associative property of addition
- commutative property of multiplication

5). $b + 4 = 4 + b$

- property of zero
- commutative property of addition
- identity property of multiplication
- associative property of addition

6). $y \times 0 = 0$

- associative property of multiplication
- property of zero
- commutative property of addition
- identity property of multiplication

7). $z \times 0 = 0$

- commutative property of multiplication
- identity property of addition
- associative property of multiplication
- property of zero

8). $z \times 8 = 8 \times z$

- associative property of addition
- commutative property of multiplication
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- associative property of multiplication

9). $c + 0 = c$

- identity property of multiplication
- associative property of addition
- commutative property of multiplication
- identity property of addition

10). $n + 4 = 4 + n$

- commutative property of addition
- identity property of multiplication
- associative property of addition
- commutative property of multiplication