

Structure of Algebra

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Indicate whether the equation illustrates the additive identity, commutative property, associative property, distributive property, additive inverse, or multiplicative inverse.

- 1) $0.4 + 0 = 0.4$ 1) _____
A) Additive identity B) Commutative property of addition
C) Associative property of addition D) Additive inverse
- 2) $7 + (-7) = 0$ 2) _____
A) Additive identity B) Commutative property of addition
C) Additive inverse D) Associative property of addition
- 3) $(7.4 + 5.55) + 2.72 = 7.4 + (5.55 + 2.72)$ 3) _____
A) Additive inverse B) Additive identity
C) Commutative property of addition D) Associative property of addition
- 4) $8 + 2 = 2 + 8$ 4) _____
A) Additive identity B) Commutative property of addition
C) Associative property of addition D) Additive inverse
- 5) $(5 + 8) + 3 = (8 + 5) + 3$ 5) _____
A) Commutative property of addition B) Additive identity
C) Additive inverse D) Associative property of addition
- 6) $(2 \cdot 7) \cdot 4 = 2 \cdot (7 \cdot 4)$ 6) _____
A) Commutative property of multiplication B) Distributive property
C) Multiplicative identity D) Associative property of multiplication
- 7) $1(6 + 2) = 1 \cdot 6 + 1 \cdot 2$ 7) _____
A) Commutative property of multiplication B) Multiplicative identity
C) Associative property of multiplication D) Distributive property
- 8) $(4.3)(7.5) = (7.5)(4.3)$ 8) _____
A) Multiplicative identity B) Associative property of multiplication
C) Commutative property of multiplication D) Distributive property
- 9) $\left(-\frac{1}{8}\right) \cdot 1 = -\frac{1}{8}$ 9) _____
A) Distributive property B) Multiplicative inverse
C) Commutative property of multiplication D) Multiplicative identity
- 10) $-(5 + 2) = -5 - 2$ 10) _____
A) Multiplicative identity B) Associative property of multiplication
C) Distributive property D) Commutative property of multiplication
- 11) $\left(\frac{1}{9}\right) \cdot 0 = 0$ 11) _____
A) Multiplicative property of 0 B) Distributive property
C) Commutative property of multiplication D) Multiplicative identity

Answer Key

Testname: UNTITLED1

- 1) A
- 2) C
- 3) D
- 4) B
- 5) A
- 6) D
- 7) D
- 8) C
- 9) D
- 10) C
- 11) A