

Name : _____

Score : _____

Teacher : _____

Date : _____

Working with the Properties of Mathematics

- 1) Which property is used in the following expression ? $3(6 + 5) = 18 + 15$
- A.** Associative Property of Multiplication **B.** Commutative Property of Addition _____
C. Associative Property of Addition **D.** Distributive Property
- 2) Which property of addition is used in the following ? $(7 + 9) + 5 = 7 + (9 + 5)$
- A.** Distributive Property **B.** Commutative Property _____
C. Associative Property **D.** Identity Property
- 3) Which is an example of Identity Property of Addition ?
- A.** $9 + 7 = 7 + 9$ **B.** $(7 + 8) + 6 = 7 + (8 + 6)$ _____
C. $4 + 0 = 4$ **D.** $2 \times 1 = 2$
- 4) Which of the following does not show the Commutative Property of Addition ?
- A.** $a + b = b + a$ **B.** $3 + x = x + 3$ _____
C. $ab = ba$ **D.** $3x + 4y = 4y + 3x$
- 5) Which operation will not change the value of any nonzero number ?
- A.** Dividing by Zero **B.** Multiplying by One _____
C. Adding One **D.** Multiplying by Zero
- 6) Which Property of Addition does $3 + 0 = 3$ illustrate ?
- A.** Zero Property **B.** Identity Property _____
C. Commutative Property **D.** Distributive Property
- 7) Which of the following does not show the Commutative Property ?
- A.** $xy - 9 = xy$ **B.** $yx = xy$ _____
C. $x + y = y + x$ **D.** $3 + y = y + 3$
- 8) Which property is used in the following expression ? $(4 \times 9) \times 8 = 9 \times (8 \times 4)$
- A.** Associative Property of Addition **B.** Associative Property of Multiplication _____
C. Distributive Property of Multiplication **D.** Commutative Property of Addition
- 9) Which property is used in the following ? $3 \times (6 + 8) = 3 \times 6 + 3 \times 8$
- A.** None of the above **B.** Distributive Property _____
C. Commutative Property **D.** Associative Property
- 10) Which Property of Multiplication is shown ? $(5 + 8) \times 7 = 5 \times 7 + 8 \times 7$
- A.** Associative Property **B.** Commutative Property _____
C. Distributive Property **D.** Identity Property

