



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

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

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

## Working with the Properties of Mathematics

- 11 ) Which property of addition is used in the following ?  $(3 + 8) + 7 = 3 + (8 + 7)$
- A. Distributive Property  
B. Commutative Property  
C. Associative Property  
D. Identity Property
- 12 ) Simplify this expression :  $6(y + z)$
- A.  $6y + 6z$   
B.  $6yz$   
C.  $6y + z$   
D.  $6z + y$
- 13 ) The value of any nonzero number will be changed by \_\_\_\_\_ .
- A. adding zero  
B. multiplying by one  
C. multiplying by zero  
D. dividing by one
- 14 ) Which is an example of Identity Property of Addition ?
- A.  $4 + 3 = 3 + 4$   
B.  $5 \times 1 = 5$   
C.  $2 + 0 = 2$   
D.  $(3 + 8) + 7 = 3 + (8 + 7)$
- 15 ) Which equation shows the Multiplicative Inverse of a Number ?
- A.  $a + -a = 0$   
B.  $a \times (1/a) = 1$   
C.  $a \times 0 = 0$   
D.  $a \times 1 = a$
- 16 ) Which is an example of Associative Property of Addition ?
- A.  $(9 + 4) + 7 = 9 + (4 + 7)$   
B.  $6 + 9 = 9 + 6$   
C.  $5 + (-5) = 0$   
D.  $2 + 0 = 2$
- 17 ) Which of the following is an example of Commutative Property of Addition ?
- A.  $9 \times 1 = 9$   
B.  $4 + 8 = 8 + 4$   
C.  $(8 + 7) + 2 = 8 + (7 + 2)$   
D.  $5 + 3 = 6 + 5$
- 18 ) Which property is used in the following expression ?  $(3 \times 8) \times 6 = 8 \times (6 \times 3)$
- A. Associative Property of Multiplication  
B. Commutative Property of Addition  
C. Distributive Property of Multiplication  
D. Associative Property of Addition
- 19 ) Which property is used in the following expression ?  $(a \times b) \times c = a \times (b \times c)$
- A. Commutative Property of Addition  
B. Associative Property of Addition  
C. Associative Property of Multiplication  
D. Distributive Property
- 20 ) Which property is used in the following expression ?  $4(9 + 5) = 36 + 20$
- A. Associative Property of Multiplication  
B. Associative Property of Addition  
C. Distributive Property  
D. Commutative Property of Addition





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