Name :	Score :	
Teacher:	Date :	
Working with the Pro	operties of Mathematics	
1) Which equation shows the Zero Property of Mul	tiplication?	
A. $4 \times 3 = 3 \times 4$	B. $7 \times 0 = 0$	
C. $6 + 6 + 6 = 3 \times 6$	D. $5 \times 1 = 5$	
2) Which Property of Multiplication is shown? (5	$(5 + 7) \times 8 = 5 \times 8 + 7 \times 8$	
A. Distributive Property	B. Commutative Property	
C. Associative Property	D. Identity Property	
3) Which equation shows the Commutative Proper	ty of Multiplication ?	
A. $7 \times 3 = 7 + 7 + 7$	B. $6 \times 4 - 2 \times 4 = (6 - 2) \times 7$	
C. $9 \times 5 = 5 \times 9$	D. 3 x 1 = 3	
4) Which property is used in the following? 9 x	$x(2+5) = 9 \times 2 + 9 \times 5$	
A. None of the above	B. Distributive Property	
C. Associative Property	D. Commutative Property	
5) Which equation shows the Identity Property of N	Multiplication?	
A. $a(b + c) = ab + ac$	B. a x 1	
C. $(a + b) + 3 = a + (3 + b)$	D. a+a+a=3xa	
6) Which of the following does not show the Comm	nutative Property ?	
A. $9 + y = y + 9$	B. $x + y = y + x$	
$\mathbf{C.} \mathbf{y} \mathbf{x} = \mathbf{x} \mathbf{y}$	D. $xy - 6 = xy$	
7) Which operation will not change the value of an	y nonzero number ?	
A. Adding One	B. Multiplying by Zero	
C. Multiplying by One	D. Dividing by Zero	
8) Which Property of Addition does 8 + 0 = 8 illustr	rate ?	
A. Distributive Property	B. Commutative Property	
C. Zero Property	D. Identity Property	
9) Which of the following does not show the Comm	nutative Property of Addition ?	
A. $3x + 4y = 4y + 3x$	B. a+b=b+a	
C. $2 + x = x + 2$	D. ab = ba	
10) Which property would you use to simplify the fol	llowing expression ? 3(y + 5)	

A. Distributive Property

C. Commutative Property



B. Multiplication Property of Zero

D. Associative Property



Name :	Score :
Teacher:	Date :
Working with the Pro	perties of Mathematics
11) Which property of addition is used in the following	$g? \qquad (3+8)+7=3+(8+7)$
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 change	d 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 Addit	ion ?
A. $4 + 3 = 3 + 4$	B. 5 x 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 x (1/a) = 1
C. $a \times 0 = 0$	D. $a \times 1 = a$
16) Which is an example of Associative Property of A	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 Commuta	ative Property of Addition ?
A. 9 x 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 expressio	n ? (3 x 8) x 6 = 8 x (6 x 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 expressio	n ? (a x b) x c = a x (b x 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 expressio	n ? 4(9 + 5) = 36 + 20
A. Associative Property of Multiplication	B. Associative Property of Addition

C. Distributive Property



D. Commutative Property of Addition

Name :	Score :	
Teacher:	Date :	
Working with the	Properties of Mathematics	
1) Which equation shows the Zero Property of	Multiplication ?	
A. $4 \times 3 = 3 \times 4$	B. $7 \times 0 = 0$	B
C. $6 + 6 + 6 = 3 \times 6$	D. $5 \times 1 = 5$	
2) Which Property of Multiplication is shown?	$(5 + 7) \times 8 = 5 \times 8 + 7 \times 8$	
A. Distributive Property	B. Commutative Property	A
C. Associative Property	D. Identity Property	
3) Which equation shows the Commutative Pr	operty of Multiplication ?	
A. $7 \times 3 = 7 + 7 + 7$	B. $6 \times 4 - 2 \times 4 = (6 - 2) \times 7$	C
C. $9 \times 5 = 5 \times 9$	D. $3 \times 1 = 3$	
4) Which property is used in the following?	$9 \times (2 + 5) = 9 \times 2 + 9 \times 5$	
A. None of the above	B. Distributive Property	B
C. Associative Property	D. Commutative Property	
5) Which equation shows the Identity Property	of Multiplication?	
A. $a(b + c) = ab + ac$	B. a x 1	B
C. $(a + b) + 3 = a + (3 + b)$	D. $a + a + a = 3 \times a$	
6) Which of the following does not show the C	ommutative Property ?	
A. $9 + y = y + 9$	B. $x + y = y + x$	D
$\mathbf{C.} yx = xy$	D. $xy - 6 = xy$	
7) Which operation will not change the value of	of any nonzero number ?	
A. Adding One	B. Multiplying by Zero	C
C. Multiplying by One	D. Dividing by Zero	
8) Which Property of Addition does 8 + 0 = 8 il	llustrate?	
A. Distributive Property	B. Commutative Property	D
C. Zero Property	D. Identity Property	
9) Which of the following does not show the C	ommutative Property of Addition ?	
A. $3x + 4y = 4y + 3x$	B. $a + b = b + a$	D
C. $2 + x = x + 2$	D. ab = ba	_
10) Which property would you use to simplify th	ne following expression? 3(y + 5)	

A. Distributive Property

C. Commutative Property

D. Associative Property

B. Multiplication Property of Zero



Name :	Score :
Teacher:	Date :
Working wit	h the Properties of Mathematics
	the following? $(3+8)+7=3+(8+7)$
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12) Simplify this expression : 6(y + z)	
A. 6y + 6z	B. 6yzA
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18) Which property is used in the followi	ng expression ? $(3 \times 8) \times 6 = 8 \times (6 \times 3)$
A. Associative Property of Mul	
C. Distributive Property of Mult	iplication D. Associative Property of Addition
19) Which property is used in the followi	ng expression ? (a x b) x c = a x (b x c)
A. Commutative Property of A	. , , , , , , , , , , , , , , , , , , ,
C. Associative Property of Mul	

20) Which property is used in the following expression?

C. Distributive Property

A. Associative Property of Multiplication



4(9 + 5) = 36 + 20

B. Associative Property of Addition

D. Commutative Property of Addition



С