

Properties of Real Numbers Bell Work

Select the property of real number from COLUMN II that is associated with the equation in COLUMN I.

COLUMN I

- _____ 1. $4ab + 0 = 4ab$
- _____ 2. $6 + (7 + a) = 6 + (a + 7)$
- _____ 3. $ab + (-ab) = 0$
- _____ 4. $(a \cdot b^2)c = a(b^2c)$
- _____ 5. $4 \cdot \frac{1}{4} = 1$
- _____ 6. $(3x)y = y(3x)$
- _____ 7. $x = y$ or $y = x$
- _____ 8. $7(a + b) = 7(b + a)$
- _____ 9. If $m = n$, then $15m = 15n$.
- _____ 10. If $g = h$ and $f = g$, then $h = f$.
- _____ 11. $d = d$
- _____ 12. $19 \cdot 0 = 0$
- _____ 13. $1 \cdot (4x) = 4x$

COLUMN II

- A. Multiplicative identity property
- B. Multiplicative property of zero
- C. Multiplicative inverse property
- D. Commutative property of multiplication
- E. Associative property of multiplication
- F. Transitive property of equality
- G. Substitution property of equality
- H. Additive identity property
- I. Additive inverse property
- J. Commutative property of addition
- K. Associative property of addition
- L. Reflexive property of equality
- M. Symmetric property of equality

Properties of Real Numbers Bell Work**ANSWER**

Select the property of real number from COLUMN II that is associated with the equation in COLUMN I.

COLUMN I		COLUMN II	
H	1. $4ab + 0 = 4ab$	A.	Multiplicative identity property
K	2. $6 + (7 + a) = 6 + (a + 7)$	B.	Multiplicative property of zero
I	3. $ab + (-ab) = 0$	C.	Multiplicative inverse property
E	4. $(a \cdot b^2)c = a(b^2c)$	D.	Commutative property of multiplication
C	5. $4 \cdot \frac{1}{4} = 1$	E.	Associative property of multiplication
D	6. $(3x)y = y(3x)$	F.	Transitive property of equality
M	7. $x = y$ or $y = x$	G.	Substitution property of equality
J	8. $7(a + b) = 7(b + a)$	H.	Additive identity property
G	9. If $m = n$, then $15m = 15n$.	I.	Additive inverse property
F	10. If $g = h$ and $f = g$, then $h = f$.	J.	Commutative property of addition
L	11. $d = d$	K.	Associative property of addition
B	12. $19 \cdot 0 = 0$	L.	Reflexive property of equality
A	13. $1 \cdot (4x) = 4x$	M.	Symmetric property of equality