

# 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