

Name: Class:

Properties of multiplication

a. Which expression shows the identity property of multiplication ?

- $2 \times 9 = 9 \times 2$ $9 \times 1 = 9$ $(9 \times 2) \times 3 = (3 \times 2) \times 9$ $2 \times 0 = 0$

b. Which expression shows the commulative distribution of multiplication ?

- $2 \times 9 = 9 \times 2$ $9 \times 1 = 9$ $(9 \times 2) \times 3 = (3 \times 2) \times 9$ $2 \times 0 = 0$

c. Which expression shows the associative property of multiplication ?

- $2 \times 9 = 9 \times 2$ $9 \times 1 = 9$ $(9 \times 2) \times 3 = (3 \times 2) \times 9$ $2 \times 0 = 0$

d. Which expression shows the distributive property of multiplication ?

- $2 \times 9 = 9 \times 2$ $(9 \times 2) \times 3 = (3 \times 2) \times 9$ $2 \times (4 + 7) = (2 \times 4) + (2 \times 7)$

Identify the multiplication property used in each question below.

e. $6 \times 1 = 6$; the property is _____

f. $a \times (b \times c) = (a \times b) \times c$; the property is _____

g. $9 \times (3 + 7) = (9 \times 3) + (9 \times 7)$; the property is _____

h. $-8 = -8 \times 1$; the property is _____

i. $50 \times 520 = 520 \times 50$; the property is _____



Name: Class:

Properties of multiplication

a. Which expression shows the identity property of multiplication?

$2 \times 9 = 9 \times 2$
 $9 \times 1 = 9$
 $(9 \times 2) \times 3 = (3 \times 2) \times 9$
 $2 \times 0 = 0$

b. Which expression shows the commulative distribution of multiplication?

$2 \times 9 = 9 \times 2$
 $9 \times 1 = 9$
 $(9 \times 2) \times 3 = (3 \times 2) \times 9$
 $2 \times 0 = 0$

c. Which expression shows the associative property of multiplication?

$2 \times 9 = 9 \times 2$
 $9 \times 1 = 9$
 $(9 \times 2) \times 3 = (3 \times 2) \times 9$
 $2 \times 0 = 0$

d. Which expression shows the distributive property of multiplication?

$2 \times 9 = 9 \times 2$
 $(9 \times 2) \times 3 = (3 \times 2) \times 9$
 $2 \times (4 + 7) = (2 \times 4) + (2 \times 7)$

Identify the multiplication property used in each question below.

e. $6 \times 1 = 6$
the property is identityf. $a \times (b \times c) = (a \times b) \times c$
the property is associativeg. $9 \times (3 + 7) = (9 \times 3) + (9 \times 7)$
the property is distributiveh. $-8 = -8 \times 1$
the property is identityi. $50 \times 520 = 520 \times 50$
the property is commutative