

Properties of Multiplication

A) Identify the property used in each statement.

1) $5 \times 1 = 5$ _____

2) $3 \times (6 + 1) = (3 \times 6) + (3 \times 1)$ _____

3) $8 \times 2 = 2 \times 8$ _____

B) Choose the statement that illustrates the specified property.

1) Commutative property

a) $9 \times (7 + 4) = (9 \times 7) + (9 \times 4)$

b) $5 \times 0 = 0$

c) $5 \times (2 \times 3) = (5 \times 2) \times 3$

d) $8 \times 4 = 4 \times 8$

2) associative property

a) $6 \times (9 \times 2) = (6 \times 9) \times 2$

b) $9 \times 0 = 0$

c) $1 \times 4 = 4 \times 1$

d) $7 \times 1 = 7$

C) Write the missing numbers using an appropriate property of multiplication.

1) $2 \times 5 = \underline{\hspace{2cm}} \times 2$

2) $4 \times (\underline{\hspace{2cm}} - 5) = (4 \times 8) - (4 \times 5)$

3) $7 \times (5 \times 1) = (\underline{\hspace{2cm}} \times 5) \times 1$
