

# Properties of Multiplication

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A) Identify the property used in each statement.

1)  $2 \times 3 = 3 \times 2$  \_\_\_\_\_

2)  $7 \times (8 \times 9) = (7 \times 8) \times 9$  \_\_\_\_\_

3)  $6 \times (4 + 9) = (6 \times 4) + (6 \times 9)$  \_\_\_\_\_

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B) Choose the statement that illustrates the specified property.

1) Distributive property

a)  $4 \times (5 \times 1) = (4 \times 5) \times 1$

b)  $9 \times 3 = 3 \times 9$

c)  $3 \times (7 - 5) = (3 \times 7) - (3 \times 5)$

d)  $6 \times 1 = 6$

2) Identity property

a)  $8 \times (1 + 2) = (8 \times 1) + (8 \times 2)$

b)  $8 \times 1 = 8$

c)  $2 \times (6 \times 7) = (2 \times 6) \times 7$

d)  $4 \times 5 = 5 \times 4$

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

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

2)  $(5 \times 3) \times 9 = 5 \times (\underline{\hspace{2cm}} \times 9)$

3)  $9 \times 8 = 8 \times \underline{\hspace{2cm}}$

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