MCQ - Equations

Identify the property from the choices below.

1) Associative

A. $5 \times (8 + 11) = 5 \times 8 + 5 \times 11$
B. $(5 \times 8) \times 11 = 5 \times (8 \times 11)$
C. $5 \times 1 = 5$
D. $5 + (-5) = 0$

Correct Choice: ☐

2) Identity

A. $11 + 4 = 4 + 11$
B. $11 \times (4 \times 7) = (11 \times 4) \times 7$
C. $11 + 0 = 11$
D. $11 \times \frac{1}{11} = 1$

Correct Choice: ☐

3) Distributive

A. $4 \times 12 = 12 \times 4$
B. $4 + (12 + 3) =$
C. $4 \times (12 + 3) =$
D. $4 + (-4) = 0$

Correct Choice: ☐

4) Commutative

$(13 + 7)$

$13 + 9 \times 7$

5) Identity

A. $7 \times 12 = 12 \times$
B. $(7 \times 12) \times 2 =$
C. $7 \times 1 = 7$
D. $7 + 12 = 12 +$

$+ 8) + 3$

Correct Choice: ☐

7) Commutative

A. $6 + (4 + 5) = ($
B. $6 + 4 + 5 = 6 +$
C. $6 \times 1 = 6$
D. $6 \times (4 + 5) = 6$

$+ 2 \times 3$

$3 + 3)$

Correct Choice: ☐

9) Inverse

A. $3 \times \frac{1}{3} = 1$
B. $3 + 0 = 3$
C. $(3 \times 9) \times 7 = 3 \times (9 \times 7)$
D. $3 \times 9 = 9 \times 3$

Correct Choice: ☐

10) Distributive

A. $12 \times 5 = 5 \times 12$
B. $(12 + 5) + 7 = 12 + (5 + 7)$
C. $12 \times (5 + 7) = 12 \times 5 + 12 \times 7$
D. $12 + (-12) = 0$

Correct Choice: ☐

Name: _____   Score:

Answer key

| MCQ - Equations | Sheet 1 |

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1) Associative

A. $5 \times (8 + 11) = 5 \times 8 + 5 \times 11$
B. $(5 \times 8) \times 11 = 5 \times (8 \times 11)$
C. $5 \times 1 = 5$
D. $5 + (-5) = 0$

Correct Choice: [*B*]

2) Identity

A. $11 + 4 = 4 + 11$
B. $11 \times (4 \times 7) = (11 \times 4) \times 7$
C. $11 + 0 = 11$
D. $11 \times \frac{1}{11} = 1$

Correct Choice: [*C*]

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3) Distributive

A. $4 \times 12 = 12 \times 4$
B. $4 + (12 + 3) =$
C. $4 \times (12 + 3) =$
D. $4 + (-4) = 0$

Correct Choice:

4) Commutative

A. $9 \times 13 = 13 \times 9$
 $13 + 7)$
 $13 + 9 \times 7$

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5) Identity

A. $7 \times 12 = 12 \times$
B. $(7 \times 12) \times 2 =$
C. $7 \times 1 = 7$
D. $7 + 12 = 12 +$

Correct Choice:

 $+ 8) + 3$

 $+ 2 \times 3$

 $3 + 3)$

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7) Commutative

A. $6 + (4 + 5) = ($
B. $6 + 4 + 5 = 6 +$
C. $6 \times 1 = 6$
D. $6 \times (4 + 5) = 6$

Correct Choice:

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9) Inverse

A. $3 \times \frac{1}{3} = 1$
B. $3 + 0 = 3$
C. $(3 \times 9) \times 7 = 3 \times (9 \times 7)$
D. $3 \times 9 = 9 \times 3$

Correct Choice: [*A*]

A. $12 \times 5 = 5 \times 12$
B. $(12 + 5) + 7 = 12 + (5 + 7)$
C. $12 \times (5 + 7) = 12 \times 5 + 12 \times 7$
D. $12 + (-12) = 0$

Correct Choice: [*A*]