Finding Associative Property of Multiplication

Name:

Determine which choice is an equivalent equation.

1) Which expression is equal to (2 × 1) × 7

A. 2 + (1 + 7)
B. (2 + 1) × 7
C. 2 × (1 × 7)
D. 2 × (1 + 7)

2) Which expression is equal to 8 × (1 × 6)

A. (8 × 1) × 6
B. (8 × 1) + 6
C. (8 + 1) × 6
D. 8 × (1 + 6)

3) Which expression is equal to 8 × (2 × 0)

A. (8 + 2) + 0
B. 8 + (2 + 0)
C. (8 × 2) + 0
D. (8 × 2) × 0

4) Which expression is equal to 9 × (10 × 2)

A. 9 × (10 + 2)
B. 9 + (10 × 2)
C. (9 × 10) × 2
D. (9 + 10) × 2

5) Which expression is equal to (9 × 5) × 2

A. (9 × 5) + 2
B. 9 + (5 × 2)
C. 9 × (5 × 2)
D. (9 + 5) + 2

6) Which expression is equal to 8 × (9 × 6)

A. (8 × 9) × 6
B. (8 + 9) × 6
C. 8 + (9 × 6)
D. 8 + (9 + 6)

7) Which expression is equal to 8 × (10 × 7)

A. (8 × 10) × 7
B. 8 + (10 × 7)
C. 8 + (10 + 7)
D. (8 + 10) + 7

8) Which expression is equal to 6 × (8 × 10)

A. (6 × 8) + 10
B. (6 × 8) × 10
C. (6 + 8) + 10
D. 6 + (8 + 10)

9) Which expression is equal to 8 × (0 × 10)

A. (8 × 0) × 10
B. (8 + 0) × 10
C. (8 + 0) + 10
D. 8 + (0 × 10)

10) Which expression is equal to (10 × 0) × 2

A. (10 + 0) + 2
B. (10 + 0) × 2
C. 10 × (0 × 2)
D. 10 + (0 + 2)

11) Which expression is equal to 3 × (8 × 0)

A. (3 × 8) + 0
B. (3 + 8) + 0
C. (3 × 8) × 0
D. 3 + (8 + 0)

12) Which expression is equal to (8 × 9) × 2

A. 8 + (9 × 2)
B. 8 × (9 × 2)
C. (8 × 9) + 2
D. (8 + 9) + 2

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Associative Property of Multiplication Name: **Answer Key**

Determine which choice is an equivalent equation.

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A. (6 × 8) + 10
B. (6 × 8) × 10
C. (6 + 8) + 10
D. 6 + (8 + 10)

9) Which expression is equal to 8 × (0 × 10)

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B. (8 + 0) × 10
C. (8 + 0) + 10
D. 8 + (0 × 10)

10) Which expression is equal to (10 × 0) × 2

A. (10 + 0) + 2
B. (10 + 0) × 2
C. 10 × (0 × 2)
D. 10 + (0 + 2)

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A. 8 + (9 × 2)
B. 8 × (9 × 2)
C. (8 × 9) + 2
D. (8 + 9) + 2

Answers

1. C
2. A
3. D
4. C
5. C
6. A
7. A
8. B
9. A
10. C
11. C
12. B

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								