



Finding Associative Property of Multiplication

Name: _____

Determine which choice is an equivalent equation.

Answers

1) Which expression is equal to $(10 \times 1) \times 4$
 A. $10 \times (1 \times 4)$
 B. $10 \times (1 + 4)$
 C. $(10 + 1) \times 4$
 D. $10 + (1 \times 4)$

2) Which expression is equal to $5 \times (0 \times 9)$
 A. $(5 \times 0) + 9$
 B. $(5 + 0) \times 9$
 C. $(5 + 0) + 9$
 D. $(5 \times 0) \times 9$

3) Which expression is equal to $9 \times (1 \times 3)$
 A. $(9 + 1) + 3$
 B. $9 + (1 + 3)$
 C. $(9 \times 1) \times 3$
 D. $(9 + 1) \times 3$

4) Which expression is equal to $(5 \times 3) \times 8$
 A. $5 \times (3 \times 8)$
 B. $5 \times (3 + 8)$
 C. $(5 \times 3) + 8$
 D. $(5 + 3) \times 8$

5) Which expression is equal to $1 \times (5 \times 7)$
 A. $1 + (5 \times 7)$
 B. $1 \times (5 + 7)$
 C. $(1 \times 5) \times 7$
 D. $(1 + 5) + 7$

6) Which expression is equal to $(0 \times 1) \times 2$
 A. $(0 \times 1) + 2$
 B. $(0 + 1) \times 2$
 C. $0 \times (1 \times 2)$
 D. $0 \times (1 + 2)$

7) Which expression is equal to $(1 \times 2) \times 4$
 A. $(1 + 2) + 4$
 B. $1 \times (2 \times 4)$
 C. $(1 + 2) \times 4$
 D. $(1 \times 2) + 4$

8) Which expression is equal to $3 \times (1 \times 0)$
 A. $(3 \times 1) \times 0$
 B. $(3 + 1) + 0$
 C. $(3 \times 1) + 0$
 D. $(3 + 1) \times 0$

9) Which expression is equal to $6 \times (8 \times 10)$
 A. $6 + (8 \times 10)$
 B. $6 + (8 + 10)$
 C. $(6 \times 8) + 10$
 D. $(6 \times 8) \times 10$

10) Which expression is equal to $3 \times (2 \times 0)$
 A. $(3 \times 2) \times 0$
 B. $(3 + 2) + 0$
 C. $3 \times (2 + 0)$
 D. $(3 \times 2) + 0$

11) Which expression is equal to $(1 \times 7) \times 6$
 A. $1 \times (7 + 6)$
 B. $1 \times (7 \times 6)$
 C. $1 + (7 \times 6)$
 D. $(1 + 7) \times 6$

12) Which expression is equal to $8 \times (10 \times 9)$
 A. $(8 + 10) \times 9$
 B. $8 + (10 + 9)$
 C. $(8 \times 10) \times 9$
 D. $8 \times (10 + 9)$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



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Answers

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