



Finding Associative Property of Multiplication

Name: _____

Determine which choice is an equivalent equation.

Answers

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

2) Which expression is equal to $4 \times (3 \times 7)$
 A. $(4 + 3) + 7$
 B. $(4 \times 3) \times 7$
 C. $(4 \times 3) + 7$
 D. $4 + (3 \times 7)$

3) Which expression is equal to $7 \times (8 \times 0)$
 A. $7 \times (8 + 0)$
 B. $(7 + 8) + 0$
 C. $(7 \times 8) \times 0$
 D. $(7 \times 8) + 0$

4) Which expression is equal to $7 \times (0 \times 1)$
 A. $7 \times (0 + 1)$
 B. $(7 \times 0) + 1$
 C. $(7 \times 0) \times 1$
 D. $7 + (0 + 1)$

5) Which expression is equal to $(0 \times 8) \times 6$
 A. $0 \times (8 + 6)$
 B. $(0 + 8) \times 6$
 C. $(0 + 8) + 6$
 D. $0 \times (8 \times 6)$

6) Which expression is equal to $(2 \times 9) \times 8$
 A. $2 + (9 + 8)$
 B. $2 \times (9 \times 8)$
 C. $2 \times (9 + 8)$
 D. $(2 \times 9) + 8$

7) Which expression is equal to $1 \times (3 \times 4)$
 A. $1 \times (3 + 4)$
 B. $(1 \times 3) \times 4$
 C. $(1 \times 3) + 4$
 D. $1 + (3 + 4)$

8) Which expression is equal to $(9 \times 2) \times 6$
 A. $9 \times (2 \times 6)$
 B. $9 + (2 \times 6)$
 C. $(9 + 2) \times 6$
 D. $(9 \times 2) + 6$

9) Which expression is equal to $(1 \times 7) \times 0$
 A. $(1 \times 7) + 0$
 B. $1 + (7 + 0)$
 C. $1 \times (7 \times 0)$
 D. $(1 + 7) \times 0$

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

11) Which expression is equal to $(3 \times 8) \times 6$
 A. $3 \times (8 \times 6)$
 B. $3 \times (8 + 6)$
 C. $3 + (8 + 6)$
 D. $3 + (8 \times 6)$

12) Which expression is equal to $9 \times (2 \times 4)$
 A. $9 + (2 \times 4)$
 B. $(9 \times 2) \times 4$
 C. $9 + (2 + 4)$
 D. $(9 + 2) + 4$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



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Name: **Answer Key**

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Answers

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