



## Finding Associative Property

Name: \_\_\_\_\_

Determine which choice is not an equivalent equation.

**Answers**

1) Which expression is not equal to  $(9 \times 7) \times 2$   
 A.  $63 \times 2$   
 B.  $9 \times 7$   
 C.  $9 \times 14$   
 D.  $9 \times (7 \times 2)$

2) Which expression is not equal to  $(10 \times 6) \times 9$   
 A.  $10 \times 54$   
 B.  $10 + (6 \times 9)$   
 C.  $10 \times (6 \times 9)$   
 D.  $60 \times 9$

3) Which expression is not equal to  $(8 \times 9) \times 3$   
 A.  $8 \times (9 \times 3)$   
 B.  $8 \times 27$   
 C.  $8 \times 18$   
 D.  $72 \times 3$

4) Which expression is not equal to  $(6 \times 4) \times 9$   
 A.  $24 \times 9$   
 B.  $6 \times (4 \times 9)$   
 C.  $6 \times 36$   
 D.  $6 + (4 \times 9)$

5) Which expression is not equal to  $(9 \times 5) \times 3$   
 A.  $50 \times 3$   
 B.  $45 \times 3$   
 C.  $9 \times 15$   
 D.  $9 \times (5 \times 3)$

6) Which expression is not equal to  $(7 \times 8) \times 3$   
 A.  $7 \times (8 \times 3)$   
 B.  $7 \times 24$   
 C.  $56 \times 3$   
 D.  $7 + (8 \times 3)$

7) Which expression is not equal to  $(9 \times 7) \times 5$   
 A.  $9 \times (7 \times 5)$   
 B.  $9 \times 35$   
 C.  $63 \times 5$   
 D.  $9 + (7 \times 5)$

8) Which expression is not equal to  $(4 \times 3) \times 6$   
 A.  $4 \times 18$   
 B.  $4 + (3 \times 6)$   
 C.  $12 \times 6$   
 D.  $4 \times (3 \times 6)$

9) Which expression is not equal to  $10 \times (7 \times 4)$   
 A.  $(10 \times 7) \times 4$   
 B.  $77 \times 4$   
 C.  $70 \times 4$   
 D.  $10 \times 28$

10) Which expression is not equal to  $9 \times (5 \times 2)$   
 A.  $(9 + 5) \times 2$   
 B.  $(9 \times 5) \times 2$   
 C.  $9 \times 10$   
 D.  $45 \times 2$

11) Which expression is not equal to  $10 \times (5 \times 7)$   
 A.  $50 \times 7$   
 B.  $55 \times 7$   
 C.  $(10 \times 5) \times 7$   
 D.  $10 \times 35$

12) Which expression is not equal to  $(8 \times 2) \times 9$   
 A.  $8 \times 16$   
 B.  $8 \times (2 \times 9)$   
 C.  $16 \times 9$   
 D.  $8 \times 18$

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



## Finding Associative Property

Name: **Answer Key**

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- A.  $8 \times 16$
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- C.  $16 \times 9$
- D.  $8 \times 18$

## Answers

1. **B**

2. **B**

3. **C**

4. **D**

5. **A**

6. **D**

7. **D**

8. **B**

9. **B**

10. **A**

11. **B**

12. **A**