

# Finding Identity Property of Multiplication

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

**Determine which choice best shows the identity property of multiplication.**

**Answers**

- 1) A.  $9 \times 8 = 8 \times 9$   
 B.  $(9 \times 8) \times 10 = 9 \times (8 \times 10)$   
 C.  $(9 \times 8) + (9 \times 10) = 9 \times (8 + 10)$   
 D.  $9 \times 1 = 9$

- 2) A.  $6 \times 7 = 7 \times 6$   
 B.  $1 \times 6 = 6$   
 C.  $6 \times (7 \times 0) = (6 \times 7) \times 0$   
 D.  $6 \times (7 + 0) = (6 \times 7) + (6 \times 0)$

- 3) A.  $1 \times 1 = 1$   
 B.  $1 \times (8 \times 4) = (1 \times 8) \times 4$   
 C.  $1 \times (8 + 4) = (1 \times 8) + (1 \times 4)$   
 D.  $1 \times 8 = 8 \times 1$

- 4) A.  $2 \times 5 = 5 \times 2$   
 B.  $2 \times (5 \times 4) = (2 \times 5) \times 4$   
 C.  $2 \times (5 + 4) = (2 \times 5) + (2 \times 4)$   
 D.  $1 \times 2 = 2$

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

- 6) A.  $1 \times 9 = 9$   
 B.  $9 \times (5 \times 0) = (9 \times 5) \times 0$   
 C.  $9 \times (5 + 0) = (9 \times 5) + (9 \times 0)$   
 D.  $9 \times 5 = 5 \times 9$

- 7) A.  $(9 \times 2) + (9 \times 8) = 9 \times (2 + 8)$   
 B.  $9 \times 2 = 2 \times 9$   
 C.  $(9 \times 2) \times 8 = 9 \times (2 \times 8)$   
 D.  $9 \times 1 = 9$

- 8) A.  $3 \times (2 + 4) = (3 \times 2) + (3 \times 4)$   
 B.  $3 \times (2 \times 4) = (3 \times 2) \times 4$   
 C.  $1 \times 3 = 3$   
 D.  $3 \times 2 = 2 \times 3$

- 9) A.  $5 \times (9 + 7) = (5 \times 9) + (5 \times 7)$   
 B.  $5 \times (9 \times 7) = (5 \times 9) \times 7$   
 C.  $5 \times 9 = 9 \times 5$   
 D.  $1 \times 5 = 5$

- 10) A.  $1 \times (0 \times 6) = (1 \times 0) \times 6$   
 B.  $1 \times 1 = 1$   
 C.  $1 \times (0 + 6) = (1 \times 0) + (1 \times 6)$   
 D.  $1 \times 0 = 0 \times 1$

- 11) A.  $(8 \times 3) + (8 \times 10) = 8 \times (3 + 10)$   
 B.  $8 \times 3 = 3 \times 8$   
 C.  $8 \times 1 = 8$   
 D.  $(8 \times 3) \times 10 = 8 \times (3 \times 10)$

- 12) A.  $5 \times 10 = 10 \times 5$   
 B.  $5 \times (10 \times 0) = (5 \times 10) \times 0$   
 C.  $5 \times (10 + 0) = (5 \times 10) + (5 \times 0)$   
 D.  $1 \times 5 = 5$

1. \_\_\_\_\_

2. \_\_\_\_\_

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5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

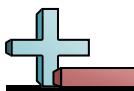
8. \_\_\_\_\_

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11. \_\_\_\_\_

12. \_\_\_\_\_

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 B.  $5 \times (10 \times 0) = (5 \times 10) \times 0$   
 C.  $5 \times (10 + 0) = (5 \times 10) + (5 \times 0)$   
 D.  $1 \times 5 = 5$

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