



Determine which choice best shows the identity property of multiplication.

**Answers**

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

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

- 3) A.  $8 \times (6 + 2) = (8 \times 6) + (8 \times 2)$   
 B.  $8 \times 6 = 6 \times 8$   
 C.  $1 \times 8 = 8$   
 D.  $8 \times (6 \times 2) = (8 \times 6) \times 2$

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

- 5) A.  $4 \times (7 + 5) = (4 \times 7) + (4 \times 5)$   
 B.  $1 \times 4 = 4$   
 C.  $4 \times (7 \times 5) = (4 \times 7) \times 5$   
 D.  $4 \times 7 = 7 \times 4$

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

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

- 8) A.  $(4 \times 5) + (4 \times 3) = 4 \times (5 + 3)$   
 B.  $4 \times 5 = 5 \times 4$   
 C.  $(4 \times 5) \times 3 = 4 \times (5 \times 3)$   
 D.  $4 \times 1 = 4$

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

- 10) A.  $1 \times 2 = 2$   
 B.  $2 \times 5 = 5 \times 2$   
 C.  $2 \times (5 \times 9) = (2 \times 5) \times 9$   
 D.  $2 \times (5 + 9) = (2 \times 5) + (2 \times 9)$

- 11) A.  $5 \times 8 = 8 \times 5$   
 B.  $5 \times (8 + 3) = (5 \times 8) + (5 \times 3)$   
 C.  $1 \times 5 = 5$   
 D.  $5 \times (8 \times 3) = (5 \times 8) \times 3$

- 12) A.  $4 \times 1 = 4$   
 B.  $(4 \times 8) + (4 \times 10) = 4 \times (8 + 10)$   
 C.  $4 \times 8 = 8 \times 4$   
 D.  $(4 \times 8) \times 10 = 4 \times (8 \times 10)$

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



Determine which choice best shows the identity property of multiplication.

**Answers**

- 1) A.  $1 \times 0 = 0 \times 1$   
 B.  $1 \times (0 + 10) = (1 \times 0) + (1 \times 10)$   
 C.  $1 \times (0 \times 10) = (1 \times 0) \times 10$   
 D.  $1 \times 1 = 1$
- 2) A.  $(7 \times 2) + (7 \times 6) = 7 \times (2 + 6)$   
 B.  $7 \times 1 = 7$   
 C.  $(7 \times 2) \times 6 = 7 \times (2 \times 6)$   
 D.  $7 \times 2 = 2 \times 7$
- 3) A.  $8 \times (6 + 2) = (8 \times 6) + (8 \times 2)$   
 B.  $8 \times 6 = 6 \times 8$   
 C.  $1 \times 8 = 8$   
 D.  $8 \times (6 \times 2) = (8 \times 6) \times 2$
- 4) A.  $7 \times (9 \times 1) = (7 \times 9) \times 1$   
 B.  $7 \times (9 + 1) = (7 \times 9) + (7 \times 1)$   
 C.  $1 \times 7 = 7$   
 D.  $7 \times 9 = 9 \times 7$
- 5) A.  $4 \times (7 + 5) = (4 \times 7) + (4 \times 5)$   
 B.  $1 \times 4 = 4$   
 C.  $4 \times (7 \times 5) = (4 \times 7) \times 5$   
 D.  $4 \times 7 = 7 \times 4$
- 6) A.  $0 \times 9 = 9 \times 0$   
 B.  $0 \times (9 + 1) = (0 \times 9) + (0 \times 1)$   
 C.  $1 \times 0 = 0$   
 D.  $0 \times (9 \times 1) = (0 \times 9) \times 1$
- 7) A.  $0 \times 1 = 0$   
 B.  $(0 \times 1) + (0 \times 9) = 0 \times (1 + 9)$   
 C.  $0 \times 1 = 1 \times 0$   
 D.  $(0 \times 1) \times 9 = 0 \times (1 \times 9)$
- 8) A.  $(4 \times 5) + (4 \times 3) = 4 \times (5 + 3)$   
 B.  $4 \times 5 = 5 \times 4$   
 C.  $(4 \times 5) \times 3 = 4 \times (5 \times 3)$   
 D.  $4 \times 1 = 4$
- 9) A.  $2 \times (8 \times 3) = (2 \times 8) \times 3$   
 B.  $1 \times 2 = 2$   
 C.  $2 \times 8 = 8 \times 2$   
 D.  $2 \times (8 + 3) = (2 \times 8) + (2 \times 3)$
- 10) A.  $1 \times 2 = 2$   
 B.  $2 \times 5 = 5 \times 2$   
 C.  $2 \times (5 \times 9) = (2 \times 5) \times 9$   
 D.  $2 \times (5 + 9) = (2 \times 5) + (2 \times 9)$
- 11) A.  $5 \times 8 = 8 \times 5$   
 B.  $5 \times (8 + 3) = (5 \times 8) + (5 \times 3)$   
 C.  $1 \times 5 = 5$   
 D.  $5 \times (8 \times 3) = (5 \times 8) \times 3$
- 12) A.  $4 \times 1 = 4$   
 B.  $(4 \times 8) + (4 \times 10) = 4 \times (8 + 10)$   
 C.  $4 \times 8 = 8 \times 4$   
 D.  $(4 \times 8) \times 10 = 4 \times (8 \times 10)$

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