



Determine which choice best shows the associative property of multiplication.

**Answers**

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

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

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

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

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

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

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

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

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

- 10) A.  $10 \times 1 = 10$   
 B.  $10 \times 6 = 6 \times 10$   
 C.  $(10 \times 6) \times 5 = 10 \times (6 \times 5)$   
 D.  $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

- 11) A.  $8 \times 7 = 7 \times 8$   
 B.  $8 \times (7 + 4) = (8 \times 7) + (8 \times 4)$   
 C.  $1 \times 8 = 8$   
 D.  $8 \times (7 \times 4) = (8 \times 7) \times 4$

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

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