



Determine which choice best shows the identity property of multiplication.

**Answers**

- 1) A.  $2 \times 6 = 6 \times 2$   
 B.  $(2 \times 6) \times 10 = 2 \times (6 \times 10)$   
 C.  $(2 \times 6) + (2 \times 10) = 2 \times (6 + 10)$   
 D.  $2 \times 1 = 2$

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

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

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

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

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

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

- 8) A.  $0 \times 8 = 8 \times 0$   
 B.  $(0 \times 8) \times 6 = 0 \times (8 \times 6)$   
 C.  $0 \times 1 = 0$   
 D.  $(0 \times 8) + (0 \times 6) = 0 \times (8 + 6)$

- 9) A.  $(10 \times 6) + (10 \times 4) = 10 \times (6 + 4)$   
 B.  $(10 \times 6) \times 4 = 10 \times (6 \times 4)$   
 C.  $10 \times 1 = 10$   
 D.  $10 \times 6 = 6 \times 10$

- 10) A.  $10 \times 4 = 4 \times 10$   
 B.  $1 \times 10 = 10$   
 C.  $10 \times (4 \times 7) = (10 \times 4) \times 7$   
 D.  $10 \times (4 + 7) = (10 \times 4) + (10 \times 7)$

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

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

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