



Determine which choice best shows the associative property of multiplication.

**Answers**

- 1) A.  $1 \times 4 = 4$   
 B.  $4 \times 10 = 10 \times 4$   
 C.  $4 \times (10 \times 3) = (4 \times 10) \times 3$   
 D.  $4 \times (10 + 3) = (4 \times 10) + (4 \times 3)$

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

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

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

- 5) A.  $7 \times (10 \times 3) = (7 \times 10) \times 3$   
 B.  $7 \times 10 = 10 \times 7$   
 C.  $1 \times 7 = 7$   
 D.  $7 \times (10 + 3) = (7 \times 10) + (7 \times 3)$

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

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

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

- 9) A.  $9 \times (6 \times 8) = (9 \times 6) \times 8$   
 B.  $9 \times (6 + 8) = (9 \times 6) + (9 \times 8)$   
 C.  $9 \times 6 = 6 \times 9$   
 D.  $1 \times 9 = 9$

- 10) A.  $10 \times 7 = 7 \times 10$   
 B.  $(10 \times 7) + (10 \times 2) = 10 \times (7 + 2)$   
 C.  $(10 \times 7) \times 2 = 10 \times (7 \times 2)$   
 D.  $10 \times 1 = 10$

- 11) A.  $1 \times 0 = 0$   
 B.  $0 \times 4 = 4 \times 0$   
 C.  $0 \times (4 + 7) = (0 \times 4) + (0 \times 7)$   
 D.  $0 \times (4 \times 7) = (0 \times 4) \times 7$

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

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