



Determine which choice best shows the associative property of multiplication.

Answers

- 1) A.  $3 \times (4 + 0) = (3 \times 4) + (3 \times 0)$   
 B.  $3 \times (4 \times 0) = (3 \times 4) \times 0$   
 C.  $3 \times 4 = 4 \times 3$   
 D.  $1 \times 3 = 3$

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

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

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

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

- 6) A.  $1 \times 9 = 9$   
 B.  $9 \times (10 + 3) = (9 \times 10) + (9 \times 3)$   
 C.  $9 \times (10 \times 3) = (9 \times 10) \times 3$   
 D.  $9 \times 10 = 10 \times 9$

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

- 8) A.  $0 \times (8 \times 7) = (0 \times 8) \times 7$   
 B.  $0 \times (8 + 7) = (0 \times 8) + (0 \times 7)$   
 C.  $1 \times 0 = 0$   
 D.  $0 \times 8 = 8 \times 0$

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

- 10) A.  $(4 \times 2) + (4 \times 7) = 4 \times (2 + 7)$   
 B.  $4 \times 1 = 4$   
 C.  $4 \times 2 = 2 \times 4$   
 D.  $(4 \times 2) \times 7 = 4 \times (2 \times 7)$

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

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

1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 5. \_\_\_\_\_  
 6. \_\_\_\_\_  
 7. \_\_\_\_\_  
 8. \_\_\_\_\_  
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 11. \_\_\_\_\_  
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Answers

1.     **B**    

2.     **C**    

3.     **B**    

4.     **B**    

5.     **C**    

6.     **C**    

7.     **C**    

8.     **A**    

9.     **C**    

10.     **D**    

11.     **C**    

12.     **A**