



Determine which choice best shows the associative property of multiplication.

Answers

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

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

- 3) A.  $3 \times 7 = 7 \times 3$   
 B.  $3 \times 1 = 3$   
 C.  $(3 \times 7) \times 6 = 3 \times (7 \times 6)$   
 D.  $(3 \times 7) + (3 \times 6) = 3 \times (7 + 6)$

- 4) A.  $1 \times 7 = 7$   
 B.  $7 \times (9 \times 8) = (7 \times 9) \times 8$   
 C.  $7 \times 9 = 9 \times 7$   
 D.  $7 \times (9 + 8) = (7 \times 9) + (7 \times 8)$

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

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

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

- 8) A.  $9 \times 1 = 9$   
 B.  $(9 \times 3) \times 4 = 9 \times (3 \times 4)$   
 C.  $9 \times 3 = 3 \times 9$   
 D.  $(9 \times 3) + (9 \times 4) = 9 \times (3 + 4)$

- 9) A.  $(0 \times 3) + (0 \times 8) = 0 \times (3 + 8)$   
 B.  $0 \times 3 = 3 \times 0$   
 C.  $(0 \times 3) \times 8 = 0 \times (3 \times 8)$   
 D.  $0 \times 1 = 0$

- 10) A.  $1 \times 7 = 7$   
 B.  $7 \times (9 \times 8) = (7 \times 9) \times 8$   
 C.  $7 \times 9 = 9 \times 7$   
 D.  $7 \times (9 + 8) = (7 \times 9) + (7 \times 8)$

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

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

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 D.  $1 \times 3 = 3$

Answers

1.     **B**    

2.     **B**    

3.     **C**    

4.     **B**    

5.     **C**    

6.     **A**    

7.     **B**    

8.     **B**    

9.     **C**    

10.     **B**    

11.     **A**    

12.     **B**