



Determine which choice best shows the associative property of multiplication.

**Answers**

1) A.  $1 \times 7 = 7$

B.  $7 \times (9 \times 8) = (7 \times 9) \times 8$

C.  $7 \times (9 + 8) = (7 \times 9) + (7 \times 8)$

D.  $7 \times 9 = 9 \times 7$

2) A.  $(4 \times 5) \times 3 = 4 \times (5 \times 3)$

B.  $4 \times 1 = 4$

C.  $4 \times 5 = 5 \times 4$

D.  $(4 \times 5) + (4 \times 3) = 4 \times (5 + 3)$

3) A.  $3 \times 0 = 0 \times 3$

B.  $(3 \times 0) \times 8 = 3 \times (0 \times 8)$

C.  $(3 \times 0) + (3 \times 8) = 3 \times (0 + 8)$

D.  $3 \times 1 = 3$

4) A.  $5 \times (2 + 0) = (5 \times 2) + (5 \times 0)$

B.  $5 \times (2 \times 0) = (5 \times 2) \times 0$

C.  $5 \times 2 = 2 \times 5$

D.  $1 \times 5 = 5$

5) A.  $(7 \times 8) + (7 \times 6) = 7 \times (8 + 6)$

B.  $7 \times 8 = 8 \times 7$

C.  $(7 \times 8) \times 6 = 7 \times (8 \times 6)$

D.  $7 \times 1 = 7$

6) A.  $6 \times 1 = 6$

B.  $6 \times 2 = 2 \times 6$

C.  $(6 \times 2) \times 3 = 6 \times (2 \times 3)$

D.  $(6 \times 2) + (6 \times 3) = 6 \times (2 + 3)$

7) A.  $6 \times 1 = 6$

B.  $(6 \times 10) + (6 \times 1) = 6 \times (10 + 1)$

C.  $(6 \times 10) \times 1 = 6 \times (10 \times 1)$

D.  $6 \times 10 = 10 \times 6$

8) A.  $7 \times 1 = 7$

B.  $7 \times 4 = 4 \times 7$

C.  $(7 \times 4) + (7 \times 2) = 7 \times (4 + 2)$

D.  $(7 \times 4) \times 2 = 7 \times (4 \times 2)$

9) A.  $(0 \times 4) \times 2 = 0 \times (4 \times 2)$

B.  $0 \times 1 = 0$

C.  $(0 \times 4) + (0 \times 2) = 0 \times (4 + 2)$

D.  $0 \times 4 = 4 \times 0$

10) A.  $(3 \times 1) \times 2 = 3 \times (1 \times 2)$

B.  $3 \times 1 = 3$

C.  $(3 \times 1) + (3 \times 2) = 3 \times (1 + 2)$

D.  $3 \times 1 = 1 \times 3$

11) A.  $8 \times (9 + 5) = (8 \times 9) + (8 \times 5)$

B.  $1 \times 8 = 8$

C.  $8 \times 9 = 9 \times 8$

D.  $8 \times (9 \times 5) = (8 \times 9) \times 5$

12) A.  $3 \times (6 \times 9) = (3 \times 6) \times 9$

B.  $3 \times 6 = 6 \times 3$

C.  $1 \times 3 = 3$

D.  $3 \times (6 + 9) = (3 \times 6) + (3 \times 9)$

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