



Determine which choice best shows the identity property of multiplication.

**Answers**

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

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

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

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

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

- 6) A.  $1 \times 2 = 2$   
 B.  $2 \times (5 \times 6) = (2 \times 5) \times 6$   
 C.  $2 \times (5 + 6) = (2 \times 5) + (2 \times 6)$   
 D.  $2 \times 5 = 5 \times 2$

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

- 8) A.  $9 \times 0 = 0 \times 9$   
 B.  $9 \times (0 \times 4) = (9 \times 0) \times 4$   
 C.  $9 \times (0 + 4) = (9 \times 0) + (9 \times 4)$   
 D.  $1 \times 9 = 9$

- 9) A.  $2 \times 1 = 2$   
 B.  $2 \times 9 = 9 \times 2$   
 C.  $(2 \times 9) + (2 \times 7) = 2 \times (9 + 7)$   
 D.  $(2 \times 9) \times 7 = 2 \times (9 \times 7)$

- 10) A.  $9 \times 7 = 7 \times 9$   
 B.  $9 \times 1 = 9$   
 C.  $(9 \times 7) + (9 \times 6) = 9 \times (7 + 6)$   
 D.  $(9 \times 7) \times 6 = 9 \times (7 \times 6)$

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

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

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