

**Determine which choice best shows the associative property of multiplication.****Answers**

- 1) A.  $6 \times (8 + 10) = (6 \times 8) + (6 \times 10)$   
B.  $6 \times 8 = 8 \times 6$   
C.  $6 \times (8 \times 10) = (6 \times 8) \times 10$   
D.  $1 \times 6 = 6$

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

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

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

- 5) A.  $(7 \times 3) \times 9 = 7 \times (3 \times 9)$   
B.  $(7 \times 3) + (7 \times 9) = 7 \times (3 + 9)$   
C.  $7 \times 1 = 7$   
D.  $7 \times 3 = 3 \times 7$

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

- 7) A.  $(8 \times 5) + (8 \times 10) = 8 \times (5 + 10)$   
B.  $(8 \times 5) \times 10 = 8 \times (5 \times 10)$   
C.  $8 \times 1 = 8$   
D.  $8 \times 5 = 5 \times 8$

- 8) A.  $5 \times 6 = 6 \times 5$   
B.  $5 \times (6 \times 10) = (5 \times 6) \times 10$   
C.  $5 \times (6 + 10) = (5 \times 6) + (5 \times 10)$   
D.  $1 \times 5 = 5$

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

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

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

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

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