

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

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

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

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

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

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

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

- 7) A.  $(5 \times 9) \times 0 = 5 \times (9 \times 0)$   
B.  $5 \times 1 = 5$   
C.  $(5 \times 9) + (5 \times 0) = 5 \times (9 + 0)$   
D.  $5 \times 9 = 9 \times 5$

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

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

- 10) A.  $4 \times 1 = 4$   
B.  $4 \times 0 = 0 \times 4$   
C.  $(4 \times 0) \times 7 = 4 \times (0 \times 7)$   
D.  $(4 \times 0) + (4 \times 7) = 4 \times (0 + 7)$

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

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

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