



Determine which choice best shows the associative property of multiplication.

**Answers**

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

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

- 3) A.  $8 \times 5 = 5 \times 8$   
 B.  $1 \times 8 = 8$   
 C.  $8 \times (5 \times 4) = (8 \times 5) \times 4$   
 D.  $8 \times (5 + 4) = (8 \times 5) + (8 \times 4)$

- 4) A.  $10 \times 9 = 9 \times 10$   
 B.  $10 \times (9 + 5) = (10 \times 9) + (10 \times 5)$   
 C.  $10 \times (9 \times 5) = (10 \times 9) \times 5$   
 D.  $1 \times 10 = 10$

- 5) A.  $3 \times 10 = 10 \times 3$   
 B.  $1 \times 3 = 3$   
 C.  $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$   
 D.  $3 \times (10 \times 2) = (3 \times 10) \times 2$

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

- 7) A.  $(2 \times 9) \times 5 = 2 \times (9 \times 5)$   
 B.  $2 \times 9 = 9 \times 2$   
 C.  $(2 \times 9) + (2 \times 5) = 2 \times (9 + 5)$   
 D.  $2 \times 1 = 2$

- 8) A.  $(5 \times 6) + (5 \times 7) = 5 \times (6 + 7)$   
 B.  $5 \times 6 = 6 \times 5$   
 C.  $5 \times 1 = 5$   
 D.  $(5 \times 6) \times 7 = 5 \times (6 \times 7)$

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

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

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

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

1. \_\_\_\_\_  
 2. \_\_\_\_\_  
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 4. \_\_\_\_\_  
 5. \_\_\_\_\_  
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 7. \_\_\_\_\_  
 8. \_\_\_\_\_  
 9. \_\_\_\_\_  
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1. **A**

2. **D**

3. **C**

4. **C**

5. **D**

6. **C**

7. **A**

8. **D**

9. **C**

10. **A**

11. **D**

12. **D**