



Determine which choice best shows the associative property of multiplication.

**Answers**

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

- 2) A.  $(7 \times 3) + (7 \times 2) = 7 \times (3 + 2)$   
 B.  $(7 \times 3) \times 2 = 7 \times (3 \times 2)$   
 C.  $7 \times 1 = 7$   
 D.  $7 \times 3 = 3 \times 7$

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

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

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

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

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

- 8) A.  $2 \times 1 = 2$   
 B.  $2 \times 6 = 6 \times 2$   
 C.  $(2 \times 6) \times 0 = 2 \times (6 \times 0)$   
 D.  $(2 \times 6) + (2 \times 0) = 2 \times (6 + 0)$

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

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

- 11) A.  $7 \times 1 = 7$   
 B.  $7 \times 5 = 5 \times 7$   
 C.  $(7 \times 5) \times 4 = 7 \times (5 \times 4)$   
 D.  $(7 \times 5) + (7 \times 4) = 7 \times (5 + 4)$

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

1. \_\_\_\_\_  
 2. \_\_\_\_\_  
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 4. \_\_\_\_\_  
 5. \_\_\_\_\_  
 6. \_\_\_\_\_  
 7. \_\_\_\_\_  
 8. \_\_\_\_\_  
 9. \_\_\_\_\_  
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 11. \_\_\_\_\_  
 12. \_\_\_\_\_



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 D.  $7 \times 3 = 3 \times 7$

1.     **C**    

2.     **B**    

- 3) A.  $(2 \times 10) \times 8 = 2 \times (10 \times 8)$   
 B.  $(2 \times 10) + (2 \times 8) = 2 \times (10 + 8)$   
 C.  $2 \times 1 = 2$   
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- 4) A.  $(9 \times 4) \times 5 = 9 \times (4 \times 5)$   
 B.  $(9 \times 4) + (9 \times 5) = 9 \times (4 + 5)$   
 C.  $9 \times 1 = 9$   
 D.  $9 \times 4 = 4 \times 9$

3.     **A**    

4.     **A**    

- 5) A.  $2 \times (3 \times 5) = (2 \times 3) \times 5$   
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5.     **A**    

6.     **B**    

- 7) A.  $5 \times (4 + 6) = (5 \times 4) + (5 \times 6)$   
 B.  $1 \times 5 = 5$   
 C.  $5 \times (4 \times 6) = (5 \times 4) \times 6$   
 D.  $5 \times 4 = 4 \times 5$
- 8) A.  $2 \times 1 = 2$   
 B.  $2 \times 6 = 6 \times 2$   
 C.  $(2 \times 6) \times 0 = 2 \times (6 \times 0)$   
 D.  $(2 \times 6) + (2 \times 0) = 2 \times (6 + 0)$

7.     **C**    

8.     **C**    

9.     **D**    

- 9) A.  $6 \times 10 = 10 \times 6$   
 B.  $6 \times 1 = 6$   
 C.  $(6 \times 10) + (6 \times 1) = 6 \times (10 + 1)$   
 D.  $(6 \times 10) \times 1 = 6 \times (10 \times 1)$
- 10) A.  $1 \times 10 = 10 \times 1$   
 B.  $1 \times 1 = 1$   
 C.  $1 \times (10 \times 3) = (1 \times 10) \times 3$   
 D.  $1 \times (10 + 3) = (1 \times 10) + (1 \times 3)$

10.     **C**    

11.     **C**    

12.     **A**    

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