



# Finding Associative Property of Multiplication

Name: \_\_\_\_\_

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

**Answers**

- 1) A.  $(7 \times 3) \times 4 = 7 \times (3 \times 4)$   
 B.  $7 \times 3 = 3 \times 7$   
 C.  $(7 \times 3) + (7 \times 4) = 7 \times (3 + 4)$   
 D.  $7 \times 1 = 7$

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

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

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

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

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

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

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

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

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

- 11) A.  $1 \times 3 = 3$   
 B.  $3 \times (2 + 4) = (3 \times 2) + (3 \times 4)$   
 C.  $3 \times (2 \times 4) = (3 \times 2) \times 4$   
 D.  $3 \times 2 = 2 \times 3$

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

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



# Finding Associative Property of Multiplication

Name:

**Answer Key**

Determine which choice best shows the associative property of multiplication.

**Answers**

1) A.  $(7 \times 3) \times 4 = 7 \times (3 \times 4)$

B.  $7 \times 3 = 3 \times 7$

C.  $(7 \times 3) + (7 \times 4) = 7 \times (3 + 4)$

D.  $7 \times 1 = 7$

2) A.  $1 \times 0 = 0$

B.  $0 \times (5 + 4) = (0 \times 5) + (0 \times 4)$

C.  $0 \times 5 = 5 \times 0$

D.  $0 \times (5 \times 4) = (0 \times 5) \times 4$

1. **A**

2. **D**

3. **D**

4. **C**

5. **B**

6. **D**

7. **C**

8. **B**

9. **D**

10. **B**

11. **C**

12. **B**

3) A.  $6 \times 10 = 10 \times 6$

B.  $1 \times 6 = 6$

C.  $6 \times (10 + 1) = (6 \times 10) + (6 \times 1)$

D.  $6 \times (10 \times 1) = (6 \times 10) \times 1$

4) A.  $3 \times (2 + 10) = (3 \times 2) + (3 \times 10)$

B.  $1 \times 3 = 3$

C.  $3 \times (2 \times 10) = (3 \times 2) \times 10$

D.  $3 \times 2 = 2 \times 3$

5) A.  $3 \times 5 = 5 \times 3$

B.  $3 \times (5 \times 10) = (3 \times 5) \times 10$

C.  $1 \times 3 = 3$

D.  $3 \times (5 + 10) = (3 \times 5) + (3 \times 10)$

6) A.  $1 \times 9 = 9$

B.  $9 \times 1 = 1 \times 9$

C.  $9 \times (1 + 10) = (9 \times 1) + (9 \times 10)$

D.  $9 \times (1 \times 10) = (9 \times 1) \times 10$

7) A.  $6 \times 1 = 6$

B.  $(6 \times 8) + (6 \times 3) = 6 \times (8 + 3)$

C.  $(6 \times 8) \times 3 = 6 \times (8 \times 3)$

D.  $6 \times 8 = 8 \times 6$

8) A.  $5 \times (0 + 8) = (5 \times 0) + (5 \times 8)$

B.  $5 \times (0 \times 8) = (5 \times 0) \times 8$

C.  $1 \times 5 = 5$

D.  $5 \times 0 = 0 \times 5$

9) A.  $1 \times 9 = 9 \times 1$

B.  $1 \times (9 + 0) = (1 \times 9) + (1 \times 0)$

C.  $1 \times 1 = 1$

D.  $1 \times (9 \times 0) = (1 \times 9) \times 0$

10) A.  $10 \times (6 + 5) = (10 \times 6) + (10 \times 5)$

B.  $10 \times (6 \times 5) = (10 \times 6) \times 5$

C.  $10 \times 6 = 6 \times 10$

D.  $1 \times 10 = 10$

11) A.  $1 \times 3 = 3$

B.  $3 \times (2 + 4) = (3 \times 2) + (3 \times 4)$

C.  $3 \times (2 \times 4) = (3 \times 2) \times 4$

D.  $3 \times 2 = 2 \times 3$

12) A.  $10 \times 2 = 2 \times 10$

B.  $10 \times (2 \times 1) = (10 \times 2) \times 1$

C.  $1 \times 10 = 10$

D.  $10 \times (2 + 1) = (10 \times 2) + (10 \times 1)$

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								