



## Finding Identity Property of Multiplication

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

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

1) A.  $5 \times 7 = 7 \times 5$

2) A.  $(7 \times 8) \times 4 = 7 \times (8 \times 4)$

B.  $1 \times 5 = 5$

B.  $7 \times 1 = 7$

C.  $5 \times (7 \times 6) = (5 \times 7) \times 6$

C.  $7 \times 8 = 8 \times 7$

D.  $5 \times (7 + 6) = (5 \times 7) + (5 \times 6)$

D.  $(7 \times 8) + (7 \times 4) = 7 \times (8 + 4)$

1. \_\_\_\_\_

3) A.  $(4 \times 0) \times 3 = 4 \times (0 \times 3)$

4) A.  $1 \times 5 = 5$

B.  $(4 \times 0) + (4 \times 3) = 4 \times (0 + 3)$

B.  $5 \times (1 \times 0) = (5 \times 1) \times 0$

C.  $4 \times 0 = 0 \times 4$

C.  $5 \times 1 = 1 \times 5$

D.  $4 \times 1 = 4$

D.  $5 \times (1 + 0) = (5 \times 1) + (5 \times 0)$

4. \_\_\_\_\_

5) A.  $9 \times 5 = 5 \times 9$

6) A.  $8 \times (1 + 9) = (8 \times 1) + (8 \times 9)$

B.  $9 \times 1 = 9$

B.  $1 \times 8 = 8$

C.  $(9 \times 5) \times 0 = 9 \times (5 \times 0)$

C.  $8 \times 1 = 1 \times 8$

D.  $(9 \times 5) + (9 \times 0) = 9 \times (5 + 0)$

D.  $8 \times (1 \times 9) = (8 \times 1) \times 9$

5. \_\_\_\_\_

7) A.  $10 \times 1 = 10$

8) A.  $10 \times 5 = 5 \times 10$

B.  $(10 \times 8) \times 3 = 10 \times (8 \times 3)$

B.  $1 \times 10 = 10$

C.  $10 \times 8 = 8 \times 10$

C.  $10 \times (5 + 8) = (10 \times 5) + (10 \times 8)$

D.  $(10 \times 8) + (10 \times 3) = 10 \times (8 + 3)$

D.  $10 \times (5 \times 8) = (10 \times 5) \times 8$

6. \_\_\_\_\_

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

10) A.  $1 \times 5 = 5$

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

B.  $5 \times (4 + 7) = (5 \times 4) + (5 \times 7)$

C.  $1 \times 5 = 5$

C.  $5 \times (4 \times 7) = (5 \times 4) \times 7$

D.  $5 \times 6 = 6 \times 5$

D.  $5 \times 4 = 4 \times 5$

7. \_\_\_\_\_

11) A.  $(3 \times 10) \times 2 = 3 \times (10 \times 2)$

12) A.  $4 \times (9 \times 1) = (4 \times 9) \times 1$

B.  $3 \times 1 = 3$

B.  $1 \times 4 = 4$

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

C.  $4 \times (9 + 1) = (4 \times 9) + (4 \times 1)$

D.  $3 \times 10 = 10 \times 3$

D.  $4 \times 9 = 9 \times 4$

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

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



## Finding Identity Property of Multiplication

Name: **Answer Key**

Determine which choice best shows the identity property of multiplication.

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

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

- 3) A.  $(4 \times 0) \times 3 = 4 \times (0 \times 3)$   
 B.  $(4 \times 0) + (4 \times 3) = 4 \times (0 + 3)$   
 C.  $4 \times 0 = 0 \times 4$   
 D.  $4 \times 1 = 4$

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

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

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

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

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

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

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

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

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

## Answers

1. **B**

2. **B**

3. **D**

4. **A**

5. **B**

6. **B**

7. **A**

8. **B**

9. **C**

10. **A**

11. **B**

12. **B**

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