



# Finding Identity Property of Multiplication

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

Determine which choice best shows the identity property of multiplication.

**Answers**

1) A.  $(0 \times 4) \times 6 = 0 \times (4 \times 6)$

B.  $0 \times 4 = 4 \times 0$

C.  $0 \times 1 = 0$

D.  $(0 \times 4) + (0 \times 6) = 0 \times (4 + 6)$

2) A.  $(9 \times 7) \times 3 = 9 \times (7 \times 3)$

B.  $9 \times 1 = 9$

C.  $9 \times 7 = 7 \times 9$

D.  $(9 \times 7) + (9 \times 3) = 9 \times (7 + 3)$

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

2. \_\_\_\_\_

3. \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

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

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

D.  $3 \times 8 = 8 \times 3$

4) A.  $9 \times 10 = 10 \times 9$

B.  $9 \times 1 = 9$

C.  $(9 \times 10) + (9 \times 2) = 9 \times (10 + 2)$

D.  $(9 \times 10) \times 2 = 9 \times (10 \times 2)$

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

B.  $4 \times 7 = 7 \times 4$

C.  $4 \times (7 + 0) = (4 \times 7) + (4 \times 0)$

D.  $4 \times (7 \times 0) = (4 \times 7) \times 0$

6) A.  $(4 \times 7) \times 0 = 4 \times (7 \times 0)$

B.  $(4 \times 7) + (4 \times 0) = 4 \times (7 + 0)$

C.  $4 \times 1 = 4$

D.  $4 \times 7 = 7 \times 4$

7) A.  $8 \times 1 = 1 \times 8$

B.  $(8 \times 1) + (8 \times 3) = 8 \times (1 + 3)$

C.  $8 \times 1 = 8$

D.  $(8 \times 1) \times 3 = 8 \times (1 \times 3)$

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

B.  $(6 \times 3) + (6 \times 9) = 6 \times (3 + 9)$

C.  $6 \times 1 = 6$

D.  $(6 \times 3) \times 9 = 6 \times (3 \times 9)$

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

B.  $1 \times (5 + 10) = (1 \times 5) + (1 \times 10)$

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

D.  $1 \times (5 \times 10) = (1 \times 5) \times 10$

10) A.  $7 \times (1 + 8) = (7 \times 1) + (7 \times 8)$

B.  $7 \times 1 = 1 \times 7$

C.  $7 \times (1 \times 8) = (7 \times 1) \times 8$

D.  $1 \times 7 = 7$

11) A.  $4 \times 2 = 2 \times 4$

B.  $4 \times (2 + 7) = (4 \times 2) + (4 \times 7)$

C.  $1 \times 4 = 4$

D.  $4 \times (2 \times 7) = (4 \times 2) \times 7$

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

B.  $(2 \times 7) + (2 \times 5) = 2 \times (7 + 5)$

C.  $(2 \times 7) \times 5 = 2 \times (7 \times 5)$

D.  $2 \times 7 = 7 \times 2$



Determine which choice best shows the identity property of multiplication.

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

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