



Finding Identity Property of Multiplication

Name: _____

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

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

2) A. $3 \times (7 \times 10) = (3 \times 7) \times 10$

B. $(3 \times 6) \times 10 = 3 \times (6 \times 10)$

B. $1 \times 3 = 3$

C. $(3 \times 6) + (3 \times 10) = 3 \times (6 + 10)$

C. $3 \times (7 + 10) = (3 \times 7) + (3 \times 10)$

D. $3 \times 1 = 3$

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

1. _____

3) A. $9 \times (7 + 8) = (9 \times 7) + (9 \times 8)$

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

B. $9 \times (7 \times 8) = (9 \times 7) \times 8$

B. $9 \times (4 \times 7) = (9 \times 4) \times 7$

C. $1 \times 9 = 9$

C. $1 \times 9 = 9$

D. $9 \times 7 = 7 \times 9$

D. $9 \times (4 + 7) = (9 \times 4) + (9 \times 7)$

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

5) A. $(2 \times 5) \times 8 = 2 \times (5 \times 8)$

6) A. $6 \times (8 \times 10) = (6 \times 8) \times 10$

B. $(2 \times 5) + (2 \times 8) = 2 \times (5 + 8)$

B. $6 \times 8 = 8 \times 6$

C. $2 \times 1 = 2$

C. $1 \times 6 = 6$

D. $2 \times 5 = 5 \times 2$

D. $6 \times (8 + 10) = (6 \times 8) + (6 \times 10)$

7) A. $(1 \times 0) \times 10 = 1 \times (0 \times 10)$

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

B. $1 \times 0 = 0 \times 1$

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

C. $1 \times 1 = 1$

C. $3 \times 10 = 10 \times 3$

D. $(1 \times 0) + (1 \times 10) = 1 \times (0 + 10)$

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

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

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

B. $7 \times (0 \times 3) = (7 \times 0) \times 3$

B. $8 \times (9 + 3) = (8 \times 9) + (8 \times 3)$

C. $7 \times 0 = 0 \times 7$

C. $8 \times 9 = 9 \times 8$

D. $7 \times (0 + 3) = (7 \times 0) + (7 \times 3)$

D. $8 \times (9 \times 3) = (8 \times 9) \times 3$

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

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

B. $(8 \times 1) + (8 \times 10) = 8 \times (1 + 10)$

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

C. $8 \times 1 = 8$

C. $4 \times 3 = 3 \times 4$

D. $(8 \times 1) \times 10 = 8 \times (1 \times 10)$

D. $1 \times 4 = 4$



Determine which choice best shows the identity property of multiplication.

Answers

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

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

- 3) A. $9 \times (7 + 8) = (9 \times 7) + (9 \times 8)$
 B. $9 \times (7 \times 8) = (9 \times 7) \times 8$
 C. $1 \times 9 = 9$
 D. $9 \times 7 = 7 \times 9$

- 4) A. $9 \times 4 = 4 \times 9$
 B. $9 \times (4 \times 7) = (9 \times 4) \times 7$
 C. $1 \times 9 = 9$
 D. $9 \times (4 + 7) = (9 \times 4) + (9 \times 7)$

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

- 6) A. $6 \times (8 \times 10) = (6 \times 8) \times 10$
 B. $6 \times 8 = 8 \times 6$
 C. $1 \times 6 = 6$
 D. $6 \times (8 + 10) = (6 \times 8) + (6 \times 10)$

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

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

- 9) A. $1 \times 7 = 7$
 B. $7 \times (0 \times 3) = (7 \times 0) \times 3$
 C. $7 \times 0 = 0 \times 7$
 D. $7 \times (0 + 3) = (7 \times 0) + (7 \times 3)$

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

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

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

1. **D**

2. **B**

3. **C**

4. **C**

5. **C**

6. **C**

7. **C**

8. **A**

9. **A**

10. **A**

11. **C**

12. **D**