



Finding Identity Property of Multiplication

Name: _____

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

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

B. $1 \times 10 = 10$

C. $10 \times (3 + 1) = (10 \times 3) + (10 \times 1)$

D. $10 \times (3 \times 1) = (10 \times 3) \times 1$

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

B. $(4 \times 8) \times 2 = 4 \times (8 \times 2)$

C. $4 \times 1 = 4$

D. $(4 \times 8) + (4 \times 2) = 4 \times (8 + 2)$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

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

B. $2 \times 1 = 2$

C. $(2 \times 9) + (2 \times 8) = 2 \times (9 + 8)$

D. $(2 \times 9) \times 8 = 2 \times (9 \times 8)$

4) A. $10 \times (4 \times 0) = (10 \times 4) \times 0$

B. $10 \times 4 = 4 \times 10$

C. $1 \times 10 = 10$

D. $10 \times (4 + 0) = (10 \times 4) + (10 \times 0)$

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

B. $7 \times (8 + 1) = (7 \times 8) + (7 \times 1)$

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

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

6) A. $(3 \times 7) + (3 \times 0) = 3 \times (7 + 0)$

B. $3 \times 1 = 3$

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

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

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

B. $1 \times 7 = 7$

C. $7 \times (6 + 10) = (7 \times 6) + (7 \times 10)$

D. $7 \times (6 \times 10) = (7 \times 6) \times 10$

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

B. $(1 \times 6) \times 8 = 1 \times (6 \times 8)$

C. $1 \times 1 = 1$

D. $1 \times 6 = 6 \times 1$

9) A. $(0 \times 4) + (0 \times 10) = 0 \times (4 + 10)$

B. $(0 \times 4) \times 10 = 0 \times (4 \times 10)$

C. $0 \times 1 = 0$

D. $0 \times 4 = 4 \times 0$

10) A. $(9 \times 2) + (9 \times 6) = 9 \times (2 + 6)$

B. $9 \times 1 = 9$

C. $(9 \times 2) \times 6 = 9 \times (2 \times 6)$

D. $9 \times 2 = 2 \times 9$

11) A. $5 \times (4 \times 9) = (5 \times 4) \times 9$

B. $1 \times 5 = 5$

C. $5 \times 4 = 4 \times 5$

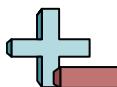
D. $5 \times (4 + 9) = (5 \times 4) + (5 \times 9)$

12) A. $2 \times (5 \times 6) = (2 \times 5) \times 6$

B. $2 \times (5 + 6) = (2 \times 5) + (2 \times 6)$

C. $2 \times 5 = 5 \times 2$

D. $1 \times 2 = 2$



Finding Identity Property of Multiplication

Name: **Answer Key**

Determine which choice best shows the identity property of multiplication.

Answers

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

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

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

- 4) A. $10 \times (4 \times 0) = (10 \times 4) \times 0$
 B. $10 \times 4 = 4 \times 10$
 C. $1 \times 10 = 10$
 D. $10 \times (4 + 0) = (10 \times 4) + (10 \times 0)$

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

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

- 7) A. $7 \times 6 = 6 \times 7$
 B. $1 \times 7 = 7$
 C. $7 \times (6 + 10) = (7 \times 6) + (7 \times 10)$
 D. $7 \times (6 \times 10) = (7 \times 6) \times 10$

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

- 9) A. $(0 \times 4) + (0 \times 10) = 0 \times (4 + 10)$
 B. $(0 \times 4) \times 10 = 0 \times (4 \times 10)$
 C. $0 \times 1 = 0$
 D. $0 \times 4 = 4 \times 0$

- 10) A. $(9 \times 2) + (9 \times 6) = 9 \times (2 + 6)$
 B. $9 \times 1 = 9$
 C. $(9 \times 2) \times 6 = 9 \times (2 \times 6)$
 D. $9 \times 2 = 2 \times 9$

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

- 12) A. $2 \times (5 \times 6) = (2 \times 5) \times 6$
 B. $2 \times (5 + 6) = (2 \times 5) + (2 \times 6)$
 C. $2 \times 5 = 5 \times 2$
 D. $1 \times 2 = 2$

1. **B**

2. **C**

3. **B**

4. **C**

5. **A**

6. **B**

7. **B**

8. **C**

9. **C**

10. **B**

11. **B**

12. **D**