



Finding Identity Property of Multiplication

Name: _____

Determine which choice best shows the identity property of multiplication.

Answers

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

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

1. _____

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

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

2. _____

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

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

3. _____

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

D. $9 \times 1 = 9$

4. _____

3) A. $(10 \times 9) \times 7 = 10 \times (9 \times 7)$

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

5. _____

B. $10 \times 1 = 10$

B. $(7 \times 8) + (7 \times 2) = 7 \times (8 + 2)$

6. _____

C. $(10 \times 9) + (10 \times 7) = 10 \times (9 + 7)$

C. $(7 \times 8) \times 2 = 7 \times (8 \times 2)$

7. _____

D. $10 \times 9 = 9 \times 10$

D. $7 \times 1 = 7$

8. _____

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

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

9. _____

B. $4 \times 8 = 8 \times 4$

B. $5 \times (1 \times 9) = (5 \times 1) \times 9$

10. _____

C. $(4 \times 8) \times 10 = 4 \times (8 \times 10)$

C. $5 \times (1 + 9) = (5 \times 1) + (5 \times 9)$

11. _____

D. $(4 \times 8) + (4 \times 10) = 4 \times (8 + 10)$

D. $5 \times 1 = 1 \times 5$

12. _____

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

8) A. $4 \times (5 + 0) = (4 \times 5) + (4 \times 0)$

13. _____

B. $2 \times (3 \times 1) = (2 \times 3) \times 1$

B. $4 \times 5 = 5 \times 4$

14. _____

C. $2 \times (3 + 1) = (2 \times 3) + (2 \times 1)$

C. $1 \times 4 = 4$

15. _____

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

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

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

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

16. _____

B. $0 \times 10 = 10 \times 0$

B. $0 \times 1 = 0$

17. _____

C. $1 \times 0 = 0$

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

18. _____

D. $0 \times (10 \times 9) = (0 \times 10) \times 9$

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

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

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

19. _____

B. $2 \times 5 = 5 \times 2$

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

20. _____

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

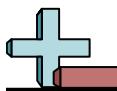
C. $7 \times 4 = 4 \times 7$

21. _____

D. $1 \times 2 = 2$

D. $1 \times 7 = 7$

22. _____



Finding Identity Property of Multiplication

Name: **Answer Key**

Determine which choice best shows the identity property of multiplication.

Answers

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

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

- 3) A. $(10 \times 9) \times 7 = 10 \times (9 \times 7)$
 B. $10 \times 1 = 10$
 C. $(10 \times 9) + (10 \times 7) = 10 \times (9 + 7)$
 D. $10 \times 9 = 9 \times 10$

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

- 5) A. $4 \times 1 = 4$
 B. $4 \times 8 = 8 \times 4$
 C. $(4 \times 8) \times 10 = 4 \times (8 \times 10)$
 D. $(4 \times 8) + (4 \times 10) = 4 \times (8 + 10)$

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

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

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

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

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

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

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

1. **A**

2. **D**

3. **B**

4. **D**

5. **A**

6. **A**

7. **A**

8. **C**

9. **C**

10. **B**

11. **D**

12. **D**