



Finding Identity Property of Multiplication

Name: _____

Determine which choice best shows the identity property of multiplication.

Answers

1) A. $2 \times 6 = 6 \times 2$

2) A. $4 \times (3 + 1) = (4 \times 3) + (4 \times 1)$

1. _____

B. $(2 \times 6) \times 10 = 2 \times (6 \times 10)$

B. $1 \times 4 = 4$

2. _____

C. $(2 \times 6) + (2 \times 10) = 2 \times (6 + 10)$

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

3. _____

D. $2 \times 1 = 2$

D. $4 \times (3 \times 1) = (4 \times 3) \times 1$

4. _____

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

4) A. $3 \times 5 = 5 \times 3$

5. _____

B. $2 \times (1 \times 8) = (2 \times 1) \times 8$

B. $3 \times (5 \times 7) = (3 \times 5) \times 7$

6. _____

C. $2 \times (1 + 8) = (2 \times 1) + (2 \times 8)$

C. $1 \times 3 = 3$

7. _____

D. $1 \times 2 = 2$

D. $3 \times (5 + 7) = (3 \times 5) + (3 \times 7)$

8. _____

5) A. $0 \times (2 + 7) = (0 \times 2) + (0 \times 7)$

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

9. _____

B. $0 \times 2 = 2 \times 0$

B. $9 \times 1 = 1 \times 9$

10. _____

C. $0 \times (2 \times 7) = (0 \times 2) \times 7$

C. $9 \times (1 \times 10) = (9 \times 1) \times 10$

11. _____

D. $1 \times 0 = 0$

D. $9 \times (1 + 10) = (9 \times 1) + (9 \times 10)$

12. _____

7) A. $10 \times (6 + 1) = (10 \times 6) + (10 \times 1)$

8) A. $0 \times 8 = 8 \times 0$

13. _____

B. $10 \times (6 \times 1) = (10 \times 6) \times 1$

B. $(0 \times 8) \times 6 = 0 \times (8 \times 6)$

14. _____

C. $1 \times 10 = 10$

C. $0 \times 1 = 0$

15. _____

D. $10 \times 6 = 6 \times 10$

D. $(0 \times 8) + (0 \times 6) = 0 \times (8 + 6)$

9) A. $(10 \times 6) + (10 \times 4) = 10 \times (6 + 4)$

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

16. _____

B. $(10 \times 6) \times 4 = 10 \times (6 \times 4)$

B. $1 \times 10 = 10$

17. _____

C. $10 \times 1 = 10$

C. $10 \times (4 \times 7) = (10 \times 4) \times 7$

18. _____

D. $10 \times 6 = 6 \times 10$

D. $10 \times (4 + 7) = (10 \times 4) + (10 \times 7)$

11) A. $(5 \times 9) + (5 \times 0) = 5 \times (9 + 0)$

12) A. $8 \times (2 + 7) = (8 \times 2) + (8 \times 7)$

19. _____

B. $5 \times 9 = 9 \times 5$

B. $8 \times 2 = 2 \times 8$

20. _____

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

C. $1 \times 8 = 8$

21. _____

D. $5 \times 1 = 5$

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

22. _____



Determine which choice best shows the identity property of multiplication.

Answers

- 1) A. $2 \times 6 = 6 \times 2$
 B. $(2 \times 6) \times 10 = 2 \times (6 \times 10)$
 C. $(2 \times 6) + (2 \times 10) = 2 \times (6 + 10)$
 D. $2 \times 1 = 2$
- 2) A. $4 \times (3 + 1) = (4 \times 3) + (4 \times 1)$
 B. $1 \times 4 = 4$
 C. $4 \times 3 = 3 \times 4$
 D. $4 \times (3 \times 1) = (4 \times 3) \times 1$
- 3) A. $2 \times 1 = 1 \times 2$
 B. $2 \times (1 \times 8) = (2 \times 1) \times 8$
 C. $2 \times (1 + 8) = (2 \times 1) + (2 \times 8)$
 D. $1 \times 2 = 2$
- 4) A. $3 \times 5 = 5 \times 3$
 B. $3 \times (5 \times 7) = (3 \times 5) \times 7$
 C. $1 \times 3 = 3$
 D. $3 \times (5 + 7) = (3 \times 5) + (3 \times 7)$
- 5) A. $0 \times (2 + 7) = (0 \times 2) + (0 \times 7)$
 B. $0 \times 2 = 2 \times 0$
 C. $0 \times (2 \times 7) = (0 \times 2) \times 7$
 D. $1 \times 0 = 0$
- 6) A. $1 \times 9 = 9$
 B. $9 \times 1 = 1 \times 9$
 C. $9 \times (1 \times 10) = (9 \times 1) \times 10$
 D. $9 \times (1 + 10) = (9 \times 1) + (9 \times 10)$
- 7) A. $10 \times (6 + 1) = (10 \times 6) + (10 \times 1)$
 B. $10 \times (6 \times 1) = (10 \times 6) \times 1$
 C. $1 \times 10 = 10$
 D. $10 \times 6 = 6 \times 10$
- 8) A. $0 \times 8 = 8 \times 0$
 B. $(0 \times 8) \times 6 = 0 \times (8 \times 6)$
 C. $0 \times 1 = 0$
 D. $(0 \times 8) + (0 \times 6) = 0 \times (8 + 6)$
- 9) A. $(10 \times 6) + (10 \times 4) = 10 \times (6 + 4)$
 B. $(10 \times 6) \times 4 = 10 \times (6 \times 4)$
 C. $10 \times 1 = 10$
 D. $10 \times 6 = 6 \times 10$
- 10) A. $10 \times 4 = 4 \times 10$
 B. $1 \times 10 = 10$
 C. $10 \times (4 \times 7) = (10 \times 4) \times 7$
 D. $10 \times (4 + 7) = (10 \times 4) + (10 \times 7)$
- 11) A. $(5 \times 9) + (5 \times 0) = 5 \times (9 + 0)$
 B. $5 \times 9 = 9 \times 5$
 C. $(5 \times 9) \times 0 = 5 \times (9 \times 0)$
 D. $5 \times 1 = 5$
- 12) A. $8 \times (2 + 7) = (8 \times 2) + (8 \times 7)$
 B. $8 \times 2 = 2 \times 8$
 C. $1 \times 8 = 8$
 D. $8 \times (2 \times 7) = (8 \times 2) \times 7$

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