



Finding Associative Property of Multiplication

Name: _____

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

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

- 2) A. $5 \times 1 = 5$
 B. $(5 \times 2) \times 10 = 5 \times (2 \times 10)$
 C. $(5 \times 2) + (5 \times 10) = 5 \times (2 + 10)$
 D. $5 \times 2 = 2 \times 5$

- 3) A. $2 \times 5 = 5 \times 2$
 B. $2 \times 1 = 2$
 C. $(2 \times 5) \times 9 = 2 \times (5 \times 9)$
 D. $(2 \times 5) + (2 \times 9) = 2 \times (5 + 9)$

- 4) A. $0 \times (9 + 2) = (0 \times 9) + (0 \times 2)$
 B. $1 \times 0 = 0$
 C. $0 \times 9 = 9 \times 0$
 D. $0 \times (9 \times 2) = (0 \times 9) \times 2$

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

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

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

- 8) A. $6 \times 5 = 5 \times 6$
 B. $(6 \times 5) + (6 \times 3) = 6 \times (5 + 3)$
 C. $(6 \times 5) \times 3 = 6 \times (5 \times 3)$
 D. $6 \times 1 = 6$

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

- 10) A. $4 \times 1 = 4$
 B. $(4 \times 6) + (4 \times 9) = 4 \times (6 + 9)$
 C. $4 \times 6 = 6 \times 4$
 D. $(4 \times 6) \times 9 = 4 \times (6 \times 9)$

- 11) A. $9 \times (6 \times 4) = (9 \times 6) \times 4$
 B. $9 \times 6 = 6 \times 9$
 C. $1 \times 9 = 9$
 D. $9 \times (6 + 4) = (9 \times 6) + (9 \times 4)$

- 12) A. $(9 \times 0) + (9 \times 2) = 9 \times (0 + 2)$
 B. $9 \times 0 = 0 \times 9$
 C. $(9 \times 0) \times 2 = 9 \times (0 \times 2)$
 D. $9 \times 1 = 9$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Determine which choice best shows the associative property of multiplication.

Answers

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11) A. $9 \times (6 \times 4) = (9 \times 6) \times 4$
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