



Determine which choice best shows the identity property of multiplication.

Answers

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

- 2) A. $7 \times 6 = 6 \times 7$
 B. $(7 \times 6) \times 4 = 7 \times (6 \times 4)$
 C. $7 \times 1 = 7$
 D. $(7 \times 6) + (7 \times 4) = 7 \times (6 + 4)$

- 3) A. $4 \times 5 = 5 \times 4$
 B. $1 \times 4 = 4$
 C. $4 \times (5 \times 6) = (4 \times 5) \times 6$
 D. $4 \times (5 + 6) = (4 \times 5) + (4 \times 6)$

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

- 5) A. $1 \times 0 = 0$
 B. $0 \times 6 = 6 \times 0$
 C. $0 \times (6 \times 10) = (0 \times 6) \times 10$
 D. $0 \times (6 + 10) = (0 \times 6) + (0 \times 10)$

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

- 7) A. $4 \times 1 = 4$
 B. $(4 \times 3) + (4 \times 6) = 4 \times (3 + 6)$
 C. $4 \times 3 = 3 \times 4$
 D. $(4 \times 3) \times 6 = 4 \times (3 \times 6)$

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

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

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

- 11) A. $(5 \times 0) \times 9 = 5 \times (0 \times 9)$
 B. $5 \times 0 = 0 \times 5$
 C. $5 \times 1 = 5$
 D. $(5 \times 0) + (5 \times 9) = 5 \times (0 + 9)$

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

1. _____
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 B. $0 \times 3 = 3 \times 0$
 C. $(0 \times 3) + (0 \times 7) = 0 \times (3 + 7)$
 D. $0 \times 1 = 0$

1. **C**

2. **C**

3. **B**

4. **C**

5. **A**

6. **C**

7. **A**

8. **C**

9. **A**

10. **B**

11. **C**

12. **D**