



Determine which choice best shows the associative property of multiplication.

Answers

- 1) A. $6 \times 0 = 0 \times 6$
 B. $1 \times 6 = 6$
 C. $6 \times (0 \times 8) = (6 \times 0) \times 8$
 D. $6 \times (0 + 8) = (6 \times 0) + (6 \times 8)$

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

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

- 4) A. $8 \times (9 + 0) = (8 \times 9) + (8 \times 0)$
 B. $8 \times 9 = 9 \times 8$
 C. $8 \times (9 \times 0) = (8 \times 9) \times 0$
 D. $1 \times 8 = 8$

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

- 6) A. $5 \times (3 + 7) = (5 \times 3) + (5 \times 7)$
 B. $5 \times (3 \times 7) = (5 \times 3) \times 7$
 C. $1 \times 5 = 5$
 D. $5 \times 3 = 3 \times 5$

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

- 8) A. $5 \times 1 = 5$
 B. $5 \times 0 = 0 \times 5$
 C. $(5 \times 0) \times 2 = 5 \times (0 \times 2)$
 D. $(5 \times 0) + (5 \times 2) = 5 \times (0 + 2)$

- 9) A. $(4 \times 2) + (4 \times 3) = 4 \times (2 + 3)$
 B. $4 \times 2 = 2 \times 4$
 C. $(4 \times 2) \times 3 = 4 \times (2 \times 3)$
 D. $4 \times 1 = 4$

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

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

- 12) A. $9 \times 7 = 7 \times 9$
 B. $9 \times 1 = 9$
 C. $(9 \times 7) \times 6 = 9 \times (7 \times 6)$
 D. $(9 \times 7) + (9 \times 6) = 9 \times (7 + 6)$

1. _____
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1. **C**

2. **B**

3. **D**

4. **C**

5. **D**

6. **B**

7. **B**

8. **C**

9. **C**

10. **A**

11. **B**

12. **C**