



Determine which choice best shows the associative property of multiplication.

Answers

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

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

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

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

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

- 6) A. $(6 \times 10) \times 7 = 6 \times (10 \times 7)$
 B. $(6 \times 10) + (6 \times 7) = 6 \times (10 + 7)$
 C. $6 \times 10 = 10 \times 6$
 D. $6 \times 1 = 6$

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

- 8) A. $10 \times 1 = 10$
 B. $(10 \times 0) \times 8 = 10 \times (0 \times 8)$
 C. $10 \times 0 = 0 \times 10$
 D. $(10 \times 0) + (10 \times 8) = 10 \times (0 + 8)$

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

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

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

- 12) A. $7 \times 1 = 7$
 B. $(7 \times 6) + (7 \times 10) = 7 \times (6 + 10)$
 C. $(7 \times 6) \times 10 = 7 \times (6 \times 10)$
 D. $7 \times 6 = 6 \times 7$

1. _____
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1. **A**

2. **C**

3. **D**

4. **C**

5. **D**

6. **A**

7. **A**

8. **B**

9. **C**

10. **C**

11. **B**

12. **C**