



Determine which choice best shows the associative property of multiplication.

Answers

- 1) A. $(0 \times 10) \times 7 = 0 \times (10 \times 7)$
 B. $(0 \times 10) + (0 \times 7) = 0 \times (10 + 7)$
 C. $0 \times 1 = 0$
 D. $0 \times 10 = 10 \times 0$

- 2) A. $(8 \times 4) + (8 \times 7) = 8 \times (4 + 7)$
 B. $8 \times 4 = 4 \times 8$
 C. $8 \times 1 = 8$
 D. $(8 \times 4) \times 7 = 8 \times (4 \times 7)$

- 3) A. $8 \times 5 = 5 \times 8$
 B. $1 \times 8 = 8$
 C. $8 \times (5 \times 4) = (8 \times 5) \times 4$
 D. $8 \times (5 + 4) = (8 \times 5) + (8 \times 4)$

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

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

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

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

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

- 9) A. $1 \times 10 = 10$
 B. $10 \times (5 + 7) = (10 \times 5) + (10 \times 7)$
 C. $10 \times (5 \times 7) = (10 \times 5) \times 7$
 D. $10 \times 5 = 5 \times 10$

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

- 11) A. $4 \times 1 = 4$
 B. $(4 \times 6) + (4 \times 8) = 4 \times (6 + 8)$
 C. $4 \times 6 = 6 \times 4$
 D. $(4 \times 6) \times 8 = 4 \times (6 \times 8)$

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

1. _____
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1. **A**

2. **D**

3. **C**

4. **C**

5. **D**

6. **C**

7. **A**

8. **D**

9. **C**

10. **A**

11. **D**

12. **D**