



Determine which choice best shows the associative property of multiplication.

Answers

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

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

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

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

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

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

- 7) A. $10 \times 7 = 7 \times 10$
 B. $(10 \times 7) + (10 \times 8) = 10 \times (7 + 8)$
 C. $10 \times 1 = 10$
 D. $(10 \times 7) \times 8 = 10 \times (7 \times 8)$

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

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

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

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

- 12) A. $(3 \times 10) \times 9 = 3 \times (10 \times 9)$
 B. $(3 \times 10) + (3 \times 9) = 3 \times (10 + 9)$
 C. $3 \times 1 = 3$
 D. $3 \times 10 = 10 \times 3$

1. _____
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1. **D**
 2. **B**
 3. **C**
 4. **A**
 5. **A**
 6. **B**
 7. **D**
 8. **D**
 9. **C**
 10. **B**
 11. **A**
 12. **A**