



Determine which choice best shows the associative property of multiplication.

Answers

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

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

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

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

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

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

- 7) A. $1 \times 7 = 7$
 B. $7 \times (2 \times 0) = (7 \times 2) \times 0$
 C. $7 \times (2 + 0) = (7 \times 2) + (7 \times 0)$
 D. $7 \times 2 = 2 \times 7$

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

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

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

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

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

1. _____
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1. **D**

2. **D**

3. **D**

4. **B**

5. **B**

6. **C**

7. **B**

8. **A**

9. **C**

10. **B**

11. **A**

12. **B**