



Determine which choice best shows the associative property of multiplication.

Answers

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

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

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

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

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

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

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

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

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

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

- 11) A. $8 \times 1 = 8$
 B. $(8 \times 7) \times 0 = 8 \times (7 \times 0)$
 C. $(8 \times 7) + (8 \times 0) = 8 \times (7 + 0)$
 D. $8 \times 7 = 7 \times 8$

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

1. _____
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 D. $4 \times 1 = 4$

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