



Determine which choice best shows the identity property of multiplication.

Answers

- 1) A. $(0 \times 4) \times 6 = 0 \times (4 \times 6)$
 B. $0 \times 4 = 4 \times 0$
 C. $0 \times 1 = 0$
 D. $(0 \times 4) + (0 \times 6) = 0 \times (4 + 6)$

- 2) A. $(9 \times 7) \times 3 = 9 \times (7 \times 3)$
 B. $9 \times 1 = 9$
 C. $9 \times 7 = 7 \times 9$
 D. $(9 \times 7) + (9 \times 3) = 9 \times (7 + 3)$

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

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

- 5) A. $1 \times 4 = 4$
 B. $4 \times 7 = 7 \times 4$
 C. $4 \times (7 + 0) = (4 \times 7) + (4 \times 0)$
 D. $4 \times (7 \times 0) = (4 \times 7) \times 0$

- 6) A. $(4 \times 7) \times 0 = 4 \times (7 \times 0)$
 B. $(4 \times 7) + (4 \times 0) = 4 \times (7 + 0)$
 C. $4 \times 1 = 4$
 D. $4 \times 7 = 7 \times 4$

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

- 8) A. $6 \times 3 = 3 \times 6$
 B. $(6 \times 3) + (6 \times 9) = 6 \times (3 + 9)$
 C. $6 \times 1 = 6$
 D. $(6 \times 3) \times 9 = 6 \times (3 \times 9)$

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

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

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

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

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