

**Determine which choice best shows the associative property of multiplication.****Answers**

- 1) A. $(0 \times 2) + (0 \times 4) = 0 \times (2 + 4)$
B. $0 \times 2 = 2 \times 0$
C. $0 \times 1 = 0$
D. $(0 \times 2) \times 4 = 0 \times (2 \times 4)$

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

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

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

- 5) A. $(3 \times 2) + (3 \times 0) = 3 \times (2 + 0)$
B. $3 \times 1 = 3$
C. $3 \times 2 = 2 \times 3$
D. $(3 \times 2) \times 0 = 3 \times (2 \times 0)$

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

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

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

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

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

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

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

1. _____

2. _____

3. _____

4. _____

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9. _____

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B. $6 \times 1 = 6$

C. $(6 \times 2) + (6 \times 4) = 6 \times (2 + 4)$

D. $6 \times 2 = 2 \times 6$

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B. $7 \times 2 = 2 \times 7$

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D. $1 \times 7 = 7$

5) A. $(3 \times 2) + (3 \times 0) = 3 \times (2 + 0)$

B. $3 \times 1 = 3$

C. $3 \times 2 = 2 \times 3$

D. $(3 \times 2) \times 0 = 3 \times (2 \times 0)$

6) A. $(10 \times 4) \times 5 = 10 \times (4 \times 5)$

B. $(10 \times 4) + (10 \times 5) = 10 \times (4 + 5)$

C. $10 \times 1 = 10$

D. $10 \times 4 = 4 \times 10$

7) A. $1 \times 1 = 1$

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C. $(5 \times 2) \times 3 = 5 \times (2 \times 3)$

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9) A. $9 \times 7 = 7 \times 9$

B. $9 \times (7 + 6) = (9 \times 7) + (9 \times 6)$

C. $9 \times (7 \times 6) = (9 \times 7) \times 6$

D. $1 \times 9 = 9$

10) A. $(1 \times 8) \times 0 = 1 \times (8 \times 0)$

B. $(1 \times 8) + (1 \times 0) = 1 \times (8 + 0)$

C. $1 \times 1 = 1$

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B. $7 \times 8 = 8 \times 7$

C. $7 \times (8 \times 3) = (7 \times 8) \times 3$

D. $7 \times (8 + 3) = (7 \times 8) + (7 \times 3)$

12) A. $1 \times 1 = 1$

B. $(1 \times 8) + (1 \times 5) = 1 \times (8 + 5)$

C. $1 \times 8 = 8 \times 1$

D. $(1 \times 8) \times 5 = 1 \times (8 \times 5)$

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