

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

- 1) A. $1 \times 8 = 8$
B. $8 \times 5 = 5 \times 8$
C. $8 \times (5 + 6) = (8 \times 5) + (8 \times 6)$
D. $8 \times (5 \times 6) = (8 \times 5) \times 6$

- 2) A. $8 \times 5 = 5 \times 8$
B. $(8 \times 5) + (8 \times 6) = 8 \times (5 + 6)$
C. $8 \times 1 = 8$
D. $(8 \times 5) \times 6 = 8 \times (5 \times 6)$

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

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

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

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

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

- 8) A. $1 \times 3 = 3$
B. $3 \times 0 = 0 \times 3$
C. $3 \times (0 \times 7) = (3 \times 0) \times 7$
D. $3 \times (0 + 7) = (3 \times 0) + (3 \times 7)$

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

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

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

- 12) A. $2 \times 8 = 8 \times 2$
B. $2 \times (8 + 6) = (2 \times 8) + (2 \times 6)$
C. $2 \times (8 \times 6) = (2 \times 8) \times 6$
D. $1 \times 2 = 2$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

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

- 1) A. $1 \times 8 = 8$
B. $8 \times 5 = 5 \times 8$
C. $8 \times (5 + 6) = (8 \times 5) + (8 \times 6)$
D. $8 \times (5 \times 6) = (8 \times 5) \times 6$

- 2) A. $8 \times 5 = 5 \times 8$
B. $(8 \times 5) + (8 \times 6) = 8 \times (5 + 6)$
C. $8 \times 1 = 8$
D. $(8 \times 5) \times 6 = 8 \times (5 \times 6)$

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

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

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

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

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

- 8) A. $1 \times 3 = 3$
B. $3 \times 0 = 0 \times 3$
C. $3 \times (0 \times 7) = (3 \times 0) \times 7$
D. $3 \times (0 + 7) = (3 \times 0) + (3 \times 7)$

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

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

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

- 12) A. $2 \times 8 = 8 \times 2$
B. $2 \times (8 + 6) = (2 \times 8) + (2 \times 6)$
C. $2 \times (8 \times 6) = (2 \times 8) \times 6$
D. $1 \times 2 = 2$

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