

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

1) A. $5 \times (2 + 9) = (5 \times 2) + (5 \times 9)$

B. $1 \times 5 = 5$

C. $5 \times 2 = 2 \times 5$

D. $5 \times (2 \times 9) = (5 \times 2) \times 9$

2) A. $5 \times 0 = 0 \times 5$

B. $5 \times (0 \times 9) = (5 \times 0) \times 9$

C. $5 \times (0 + 9) = (5 \times 0) + (5 \times 9)$

D. $1 \times 5 = 5$

3) A. $(4 \times 10) + (4 \times 2) = 4 \times (10 + 2)$

B. $(4 \times 10) \times 2 = 4 \times (10 \times 2)$

C. $4 \times 1 = 4$

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

4) A. $1 \times 4 = 4$

B. $4 \times (7 \times 0) = (4 \times 7) \times 0$

C. $4 \times 7 = 7 \times 4$

D. $4 \times (7 + 0) = (4 \times 7) + (4 \times 0)$

5) A. $8 \times (1 \times 7) = (8 \times 1) \times 7$

B. $8 \times 1 = 1 \times 8$

C. $8 \times (1 + 7) = (8 \times 1) + (8 \times 7)$

D. $1 \times 8 = 8$

6) A. $4 \times (2 + 1) = (4 \times 2) + (4 \times 1)$

B. $1 \times 4 = 4$

C. $4 \times (2 \times 1) = (4 \times 2) \times 1$

D. $4 \times 2 = 2 \times 4$

7) A. $2 \times 4 = 4 \times 2$

B. $2 \times (4 + 1) = (2 \times 4) + (2 \times 1)$

C. $2 \times (4 \times 1) = (2 \times 4) \times 1$

D. $1 \times 2 = 2$

8) A. $1 \times 6 = 6$

B. $6 \times (4 + 8) = (6 \times 4) + (6 \times 8)$

C. $6 \times 4 = 4 \times 6$

D. $6 \times (4 \times 8) = (6 \times 4) \times 8$

9) A. $5 \times 0 = 0 \times 5$

B. $5 \times (0 \times 9) = (5 \times 0) \times 9$

C. $5 \times (0 + 9) = (5 \times 0) + (5 \times 9)$

D. $1 \times 5 = 5$

10) A. $1 \times (2 + 5) = (1 \times 2) + (1 \times 5)$

B. $1 \times (2 \times 5) = (1 \times 2) \times 5$

C. $1 \times 1 = 1$

D. $1 \times 2 = 2 \times 1$

11) A. $(8 \times 4) \times 2 = 8 \times (4 \times 2)$

B. $(8 \times 4) + (8 \times 2) = 8 \times (4 + 2)$

C. $8 \times 1 = 8$

D. $8 \times 4 = 4 \times 8$

12) A. $(7 \times 0) + (7 \times 8) = 7 \times (0 + 8)$

B. $(7 \times 0) \times 8 = 7 \times (0 \times 8)$

C. $7 \times 1 = 7$

D. $7 \times 0 = 0 \times 7$

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. $5 \times (2 + 9) = (5 \times 2) + (5 \times 9)$

B. $1 \times 5 = 5$

C. $5 \times 2 = 2 \times 5$

D. $5 \times (2 \times 9) = (5 \times 2) \times 9$

2) A. $5 \times 0 = 0 \times 5$

B. $5 \times (0 \times 9) = (5 \times 0) \times 9$

C. $5 \times (0 + 9) = (5 \times 0) + (5 \times 9)$

D. $1 \times 5 = 5$

3) A. $(4 \times 10) + (4 \times 2) = 4 \times (10 + 2)$

B. $(4 \times 10) \times 2 = 4 \times (10 \times 2)$

C. $4 \times 1 = 4$

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

4) A. $1 \times 4 = 4$

B. $4 \times (7 \times 0) = (4 \times 7) \times 0$

C. $4 \times 7 = 7 \times 4$

D. $4 \times (7 + 0) = (4 \times 7) + (4 \times 0)$

5) A. $8 \times (1 \times 7) = (8 \times 1) \times 7$

B. $8 \times 1 = 1 \times 8$

C. $8 \times (1 + 7) = (8 \times 1) + (8 \times 7)$

D. $1 \times 8 = 8$

6) A. $4 \times (2 + 1) = (4 \times 2) + (4 \times 1)$

B. $1 \times 4 = 4$

C. $4 \times (2 \times 1) = (4 \times 2) \times 1$

D. $4 \times 2 = 2 \times 4$

7) A. $2 \times 4 = 4 \times 2$

B. $2 \times (4 + 1) = (2 \times 4) + (2 \times 1)$

C. $2 \times (4 \times 1) = (2 \times 4) \times 1$

D. $1 \times 2 = 2$

8) A. $1 \times 6 = 6$

B. $6 \times (4 + 8) = (6 \times 4) + (6 \times 8)$

C. $6 \times 4 = 4 \times 6$

D. $6 \times (4 \times 8) = (6 \times 4) \times 8$

9) A. $5 \times 0 = 0 \times 5$

B. $5 \times (0 \times 9) = (5 \times 0) \times 9$

C. $5 \times (0 + 9) = (5 \times 0) + (5 \times 9)$

D. $1 \times 5 = 5$

10) A. $1 \times (2 + 5) = (1 \times 2) + (1 \times 5)$

B. $1 \times (2 \times 5) = (1 \times 2) \times 5$

C. $1 \times 1 = 1$

D. $1 \times 2 = 2 \times 1$

11) A. $(8 \times 4) \times 2 = 8 \times (4 \times 2)$

B. $(8 \times 4) + (8 \times 2) = 8 \times (4 + 2)$

C. $8 \times 1 = 8$

D. $8 \times 4 = 4 \times 8$

12) A. $(7 \times 0) + (7 \times 8) = 7 \times (0 + 8)$

B. $(7 \times 0) \times 8 = 7 \times (0 \times 8)$

C. $7 \times 1 = 7$

D. $7 \times 0 = 0 \times 7$

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