

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

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

B. $(5 \times 8) \times 7 = 5 \times (8 \times 7)$

C. $5 \times 8 = 8 \times 5$

D. $5 \times 1 = 5$

2) A. $8 \times 0 = 0 \times 8$

B. $(8 \times 0) \times 5 = 8 \times (0 \times 5)$

C. $8 \times 1 = 8$

D. $(8 \times 0) + (8 \times 5) = 8 \times (0 + 5)$

3) A. $(9 \times 1) \times 10 = 9 \times (1 \times 10)$

B. $9 \times 1 = 1 \times 9$

C. $(9 \times 1) + (9 \times 10) = 9 \times (1 + 10)$

D. $9 \times 1 = 9$

4) A. $1 \times 9 = 9$

B. $9 \times (0 + 2) = (9 \times 0) + (9 \times 2)$

C. $9 \times (0 \times 2) = (9 \times 0) \times 2$

D. $9 \times 0 = 0 \times 9$

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

B. $1 \times 5 = 5 \times 1$

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

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

6) A. $2 \times (1 + 0) = (2 \times 1) + (2 \times 0)$

B. $2 \times (1 \times 0) = (2 \times 1) \times 0$

C. $1 \times 2 = 2$

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

7) A. $(7 \times 9) + (7 \times 3) = 7 \times (9 + 3)$

B. $7 \times 9 = 9 \times 7$

C. $7 \times 1 = 7$

D. $(7 \times 9) \times 3 = 7 \times (9 \times 3)$

8) A. $4 \times 3 = 3 \times 4$

B. $(4 \times 3) + (4 \times 0) = 4 \times (3 + 0)$

C. $4 \times 1 = 4$

D. $(4 \times 3) \times 0 = 4 \times (3 \times 0)$

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

B. $8 \times 4 = 4 \times 8$

C. $(8 \times 4) \times 2 = 8 \times (4 \times 2)$

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

10) A. $9 \times (10 \times 3) = (9 \times 10) \times 3$

B. $9 \times 10 = 10 \times 9$

C. $1 \times 9 = 9$

D. $9 \times (10 + 3) = (9 \times 10) + (9 \times 3)$

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

B. $1 \times (6 + 5) = (1 \times 6) + (1 \times 5)$

C. $1 \times (6 \times 5) = (1 \times 6) \times 5$

D. $1 \times 6 = 6 \times 1$

12) A. $(0 \times 8) + (0 \times 9) = 0 \times (8 + 9)$

B. $0 \times 8 = 8 \times 0$

C. $0 \times 1 = 0$

D. $(0 \times 8) \times 9 = 0 \times (8 \times 9)$

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. $(5 \times 8) + (5 \times 7) = 5 \times (8 + 7)$

B. $(5 \times 8) \times 7 = 5 \times (8 \times 7)$

C. $5 \times 8 = 8 \times 5$

D. $5 \times 1 = 5$

2) A. $8 \times 0 = 0 \times 8$

B. $(8 \times 0) \times 5 = 8 \times (0 \times 5)$

C. $8 \times 1 = 8$

D. $(8 \times 0) + (8 \times 5) = 8 \times (0 + 5)$

3) A. $(9 \times 1) \times 10 = 9 \times (1 \times 10)$

B. $9 \times 1 = 1 \times 9$

C. $(9 \times 1) + (9 \times 10) = 9 \times (1 + 10)$

D. $9 \times 1 = 9$

4) A. $1 \times 9 = 9$

B. $9 \times (0 + 2) = (9 \times 0) + (9 \times 2)$

C. $9 \times (0 \times 2) = (9 \times 0) \times 2$

D. $9 \times 0 = 0 \times 9$

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

B. $1 \times 5 = 5 \times 1$

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

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

6) A. $2 \times (1 + 0) = (2 \times 1) + (2 \times 0)$

B. $2 \times (1 \times 0) = (2 \times 1) \times 0$

C. $1 \times 2 = 2$

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

7) A. $(7 \times 9) + (7 \times 3) = 7 \times (9 + 3)$

B. $7 \times 9 = 9 \times 7$

C. $7 \times 1 = 7$

D. $(7 \times 9) \times 3 = 7 \times (9 \times 3)$

8) A. $4 \times 3 = 3 \times 4$

B. $(4 \times 3) + (4 \times 0) = 4 \times (3 + 0)$

C. $4 \times 1 = 4$

D. $(4 \times 3) \times 0 = 4 \times (3 \times 0)$

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

B. $8 \times 4 = 4 \times 8$

C. $(8 \times 4) \times 2 = 8 \times (4 \times 2)$

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

10) A. $9 \times (10 \times 3) = (9 \times 10) \times 3$

B. $9 \times 10 = 10 \times 9$

C. $1 \times 9 = 9$

D. $9 \times (10 + 3) = (9 \times 10) + (9 \times 3)$

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

B. $1 \times (6 + 5) = (1 \times 6) + (1 \times 5)$

C. $1 \times (6 \times 5) = (1 \times 6) \times 5$

D. $1 \times 6 = 6 \times 1$

12) A. $(0 \times 8) + (0 \times 9) = 0 \times (8 + 9)$

B. $0 \times 8 = 8 \times 0$

C. $0 \times 1 = 0$

D. $(0 \times 8) \times 9 = 0 \times (8 \times 9)$

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