



Finding Distributive Property of Multiplication

Name: _____

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

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

B. $1 \times 8 = 8$

C. $8 \times (9 \times 7) = (8 \times 9) \times 7$

D. $8 \times (9 + 7) = (8 \times 9) + (8 \times 7)$

2) A. $3 \times 9 = 9 \times 3$

B. $3 \times (9 \times 6) = (3 \times 9) \times 6$

C. $3 \times (9 + 6) = (3 \times 9) + (3 \times 6)$

D. $1 \times 3 = 3$

1. _____

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

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

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

D. $1 \times 9 = 9$

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

B. $0 \times 3 = 3 \times 0$

C. $1 \times 0 = 0$

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

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

5) A. $1 \times 0 = 0$

B. $0 \times (6 + 10) = (0 \times 6) + (0 \times 10)$

C. $0 \times 6 = 6 \times 0$

D. $0 \times (6 \times 10) = (0 \times 6) \times 10$

6) A. $0 \times 10 = 10 \times 0$

B. $(0 \times 10) \times 1 = 0 \times (10 \times 1)$

C. $0 \times 1 = 0$

D. $(0 \times 10) + (0 \times 1) = 0 \times (10 + 1)$

7) A. $(5 \times 7) + (5 \times 6) = 5 \times (7 + 6)$

B. $5 \times 1 = 5$

C. $5 \times 7 = 7 \times 5$

D. $(5 \times 7) \times 6 = 5 \times (7 \times 6)$

8) A. $0 \times (6 + 4) = (0 \times 6) + (0 \times 4)$

B. $0 \times 6 = 6 \times 0$

C. $0 \times (6 \times 4) = (0 \times 6) \times 4$

D. $1 \times 0 = 0$

9) A. $8 \times (6 \times 10) = (8 \times 6) \times 10$

B. $8 \times (6 + 10) = (8 \times 6) + (8 \times 10)$

C. $8 \times 6 = 6 \times 8$

D. $1 \times 8 = 8$

10) A. $(7 \times 8) \times 10 = 7 \times (8 \times 10)$

B. $(7 \times 8) + (7 \times 10) = 7 \times (8 + 10)$

C. $7 \times 8 = 8 \times 7$

D. $7 \times 1 = 7$

11) A. $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

B. $10 \times 6 = 6 \times 10$

C. $10 \times 1 = 10$

D. $(10 \times 6) \times 5 = 10 \times (6 \times 5)$

12) A. $10 \times 5 = 5 \times 10$

B. $10 \times (5 \times 1) = (10 \times 5) \times 1$

C. $10 \times (5 + 1) = (10 \times 5) + (10 \times 1)$

D. $1 \times 10 = 10$

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

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

2) A. $3 \times 9 = 9 \times 3$

1. **D**

B. $1 \times 8 = 8$

B. $3 \times (9 \times 6) = (3 \times 9) \times 6$

2. **C**

C. $8 \times (9 \times 7) = (8 \times 9) \times 7$

C. $3 \times (9 + 6) = (3 \times 9) + (3 \times 6)$

3. **C**

D. $8 \times (9 + 7) = (8 \times 9) + (8 \times 7)$

D. $1 \times 3 = 3$

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

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

4. **D**

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

B. $0 \times 3 = 3 \times 0$

5. **B**

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

C. $1 \times 0 = 0$

6. **D**

D. $1 \times 9 = 9$

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

7. **A**

5) A. $1 \times 0 = 0$

6) A. $0 \times 10 = 10 \times 0$

8. **A**

B. $0 \times (6 + 10) = (0 \times 6) + (0 \times 10)$

B. $(0 \times 10) \times 1 = 0 \times (10 \times 1)$

9. **B**

C. $0 \times 6 = 6 \times 0$

C. $0 \times 1 = 0$

10. **B**

D. $0 \times (6 \times 10) = (0 \times 6) \times 10$

D. $(0 \times 10) + (0 \times 1) = 0 \times (10 + 1)$

11. **A**

7) A. $(5 \times 7) + (5 \times 6) = 5 \times (7 + 6)$

8) A. $0 \times (6 + 4) = (0 \times 6) + (0 \times 4)$

12. **C**

B. $5 \times 1 = 5$

B. $0 \times 6 = 6 \times 0$

C. $5 \times 7 = 7 \times 5$

C. $0 \times (6 \times 4) = (0 \times 6) \times 4$

D. $(5 \times 7) \times 6 = 5 \times (7 \times 6)$

D. $1 \times 0 = 0$

9) A. $8 \times (6 \times 10) = (8 \times 6) \times 10$

10) A. $(7 \times 8) \times 10 = 7 \times (8 \times 10)$

B. $8 \times (6 + 10) = (8 \times 6) + (8 \times 10)$

B. $(7 \times 8) + (7 \times 10) = 7 \times (8 + 10)$

C. $8 \times 6 = 6 \times 8$

C. $7 \times 8 = 8 \times 7$

D. $1 \times 8 = 8$

D. $7 \times 1 = 7$

11) A. $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

12) A. $10 \times 5 = 5 \times 10$

B. $10 \times 6 = 6 \times 10$

B. $10 \times (5 \times 1) = (10 \times 5) \times 1$

C. $10 \times 1 = 10$

C. $10 \times (5 + 1) = (10 \times 5) + (10 \times 1)$

D. $(10 \times 6) \times 5 = 10 \times (6 \times 5)$

D. $1 \times 10 = 10$