



## Finding Distributive Property of Multiplication

Name: \_\_\_\_\_

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

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

2) A.  $2 \times 1 = 2$

1. \_\_\_\_\_

B.  $10 \times (8 \times 1) = (10 \times 8) \times 1$

B.  $(2 \times 1) \times 6 = 2 \times (1 \times 6)$

2. \_\_\_\_\_

C.  $10 \times (8 + 1) = (10 \times 8) + (10 \times 1)$

C.  $(2 \times 1) + (2 \times 6) = 2 \times (1 + 6)$

3. \_\_\_\_\_

D.  $1 \times 10 = 10$

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

4. \_\_\_\_\_

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

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

5. \_\_\_\_\_

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

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

6. \_\_\_\_\_

C.  $(8 \times 0) \times 1 = 8 \times (0 \times 1)$

C.  $9 \times 1 = 9$

7. \_\_\_\_\_

D.  $8 \times 1 = 8$

D.  $9 \times 10 = 10 \times 9$

8. \_\_\_\_\_

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

6) A.  $2 \times (5 + 6) = (2 \times 5) + (2 \times 6)$

9. \_\_\_\_\_

B.  $0 \times 10 = 10 \times 0$

B.  $1 \times 2 = 2$

10. \_\_\_\_\_

C.  $0 \times (10 \times 3) = (0 \times 10) \times 3$

C.  $2 \times (5 \times 6) = (2 \times 5) \times 6$

11. \_\_\_\_\_

D.  $0 \times (10 + 3) = (0 \times 10) + (0 \times 3)$

D.  $2 \times 5 = 5 \times 2$

12. \_\_\_\_\_

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

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

13. \_\_\_\_\_

B.  $0 \times 5 = 5 \times 0$

B.  $1 \times 9 = 9$

14. \_\_\_\_\_

C.  $(0 \times 5) \times 1 = 0 \times (5 \times 1)$

C.  $9 \times (0 \times 4) = (9 \times 0) \times 4$

15. \_\_\_\_\_

D.  $(0 \times 5) + (0 \times 1) = 0 \times (5 + 1)$

D.  $9 \times (0 + 4) = (9 \times 0) + (9 \times 4)$

9) A.  $(2 \times 9) + (2 \times 7) = 2 \times (9 + 7)$

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

16. \_\_\_\_\_

B.  $2 \times 9 = 9 \times 2$

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

17. \_\_\_\_\_

C.  $(2 \times 9) \times 7 = 2 \times (9 \times 7)$

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

18. \_\_\_\_\_

D.  $2 \times 1 = 2$

D.  $9 \times 1 = 9$

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

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

19. \_\_\_\_\_

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

B.  $(4 \times 8) \times 9 = 4 \times (8 \times 9)$

20. \_\_\_\_\_

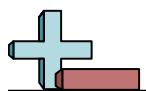
C.  $(8 \times 7) \times 0 = 8 \times (7 \times 0)$

C.  $(4 \times 8) + (4 \times 9) = 4 \times (8 + 9)$

21. \_\_\_\_\_

D.  $8 \times 7 = 7 \times 8$

D.  $4 \times 1 = 4$



Determine which choice best shows the distributive property of multiplication.

Answers

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

**2)** A.  $2 \times 1 = 2$   
B.  $(2 \times 1) \times 6 = 2 \times (1 \times 6)$   
C.  $(2 \times 1) + (2 \times 6) = 2 \times (1 + 6)$   
D.  $2 \times 1 = 1 \times 2$

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

**4)** A.  $(9 \times 10) + (9 \times 3) = 9 \times (10 + 3)$   
B.  $(9 \times 10) \times 3 = 9 \times (10 \times 3)$   
C.  $9 \times 1 = 9$   
D.  $9 \times 10 = 10 \times 9$

**5)** A.  $1 \times 0 = 0$   
B.  $0 \times 10 = 10 \times 0$   
C.  $0 \times (10 \times 3) = (0 \times 10) \times 3$   
D.  $0 \times (10 + 3) = (0 \times 10) + (0 \times 3)$

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

**7)** A.  $0 \times 1 = 0$   
B.  $0 \times 5 = 5 \times 0$   
C.  $(0 \times 5) \times 1 = 0 \times (5 \times 1)$   
D.  $(0 \times 5) + (0 \times 1) = 0 \times (5 + 1)$

**8)** A.  $9 \times 0 = 0 \times 9$   
B.  $1 \times 9 = 9$   
C.  $9 \times (0 \times 4) = (9 \times 0) \times 4$   
D.  $9 \times (0 + 4) = (9 \times 0) + (9 \times 4)$

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

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

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

**12)** A.  $4 \times 8 = 8 \times 4$   
B.  $(4 \times 8) \times 9 = 4 \times (8 \times 9)$   
C.  $(4 \times 8) + (4 \times 9) = 4 \times (8 + 9)$   
D.  $4 \times 1 = 4$

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								