



## Determinar cuál opción muestra mejor la propiedad asociativa de la multiplicación.

## Respuestas

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

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

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

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

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

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

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

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

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

D.  $1 \times 10 = 10$

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

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

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

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

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

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

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

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

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

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

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

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

B.  $1 \times 2 = 2$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D.  $2 \times 1 = 2$

D.  $9 \times 1 = 9$

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

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

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

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

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

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

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

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

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

22. \_\_\_\_\_

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

D.  $4 \times 1 = 4$

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

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

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

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

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

D.  $1 \times 10 = 10$

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1. **C**

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

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

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

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

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

C.  $9 \times 1 = 9$

D.  $8 \times 1 = 8$

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

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

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

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

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

B.  $1 \times 2 = 2$

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

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

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

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

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

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

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

B.  $1 \times 9 = 9$

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

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

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

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

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

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

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

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

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

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

D.  $2 \times 1 = 2$

D.  $9 \times 1 = 9$

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

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

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

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

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

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

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

D.  $4 \times 1 = 4$