



## Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación

## Respuestas

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

B.  $7 \times 2 = 2 \times 7$

C.  $7 \times 1 = 7$

D.  $(7 \times 2) + (7 \times 4) = 7 \times (2 + 4)$

2) A.  $(7 \times 3) + (7 \times 2) = 7 \times (3 + 2)$

B.  $7 \times 1 = 7$

C.  $(7 \times 3) \times 2 = 7 \times (3 \times 2)$

D.  $7 \times 3 = 3 \times 7$

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

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

B.  $(2 \times 10) + (2 \times 8) = 2 \times (10 + 8)$

C.  $(2 \times 10) \times 8 = 2 \times (10 \times 8)$

D.  $2 \times 10 = 10 \times 2$

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

B.  $(9 \times 4) + (9 \times 5) = 9 \times (4 + 5)$

C.  $(9 \times 4) \times 5 = 9 \times (4 \times 5)$

D.  $9 \times 4 = 4 \times 9$

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

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

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

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

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

B.  $2 \times 3 = 3 \times 2$

C.  $2 \times (3 + 5) = (2 \times 3) + (2 \times 5)$

D.  $2 \times (3 \times 5) = (2 \times 3) \times 5$

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

B.  $1 \times 9 = 9$

C.  $9 \times 3 = 3 \times 9$

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

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

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

7) A.  $5 \times (4 + 6) = (5 \times 4) + (5 \times 6)$

B.  $5 \times (4 \times 6) = (5 \times 4) \times 6$

C.  $1 \times 5 = 5$

D.  $5 \times 4 = 4 \times 5$

8) A.  $(2 \times 6) \times 0 = 2 \times (6 \times 0)$

B.  $2 \times 6 = 6 \times 2$

C.  $2 \times 1 = 2$

D.  $(2 \times 6) + (2 \times 0) = 2 \times (6 + 0)$

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

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

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

B.  $(6 \times 10) \times 1 = 6 \times (10 \times 1)$

C.  $(6 \times 10) + (6 \times 1) = 6 \times (10 + 1)$

D.  $6 \times 1 = 6$

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

B.  $1 \times (10 \times 3) = (1 \times 10) \times 3$

C.  $1 \times 1 = 1$

D.  $1 \times (10 + 3) = (1 \times 10) + (1 \times 3)$

11) A.  $(7 \times 5) \times 4 = 7 \times (5 \times 4)$

B.  $7 \times 5 = 5 \times 7$

C.  $7 \times 1 = 7$

D.  $(7 \times 5) + (7 \times 4) = 7 \times (5 + 4)$

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

B.  $9 \times 5 = 5 \times 9$

C.  $9 \times (5 + 4) = (9 \times 5) + (9 \times 4)$

D.  $9 \times (5 \times 4) = (9 \times 5) \times 4$

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

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

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

B.  $7 \times 2 = 2 \times 7$

C.  $7 \times 1 = 7$

D.  $(7 \times 2) + (7 \times 4) = 7 \times (2 + 4)$

2) A.  $(7 \times 3) + (7 \times 2) = 7 \times (3 + 2)$

B.  $7 \times 1 = 7$

C.  $(7 \times 3) \times 2 = 7 \times (3 \times 2)$

D.  $7 \times 3 = 3 \times 7$

1. **C**

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

B.  $(2 \times 10) + (2 \times 8) = 2 \times (10 + 8)$

C.  $(2 \times 10) \times 8 = 2 \times (10 \times 8)$

D.  $2 \times 10 = 10 \times 2$

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

B.  $(9 \times 4) + (9 \times 5) = 9 \times (4 + 5)$

C.  $(9 \times 4) \times 5 = 9 \times (4 \times 5)$

D.  $9 \times 4 = 4 \times 9$

4. **A**5. **A**6. **B**7. **C**

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

B.  $2 \times 3 = 3 \times 2$

C.  $2 \times (3 + 5) = (2 \times 3) + (2 \times 5)$

D.  $2 \times (3 \times 5) = (2 \times 3) \times 5$

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

B.  $1 \times 9 = 9$

C.  $9 \times 3 = 3 \times 9$

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

9. **D**10. **C**

7) A.  $5 \times (4 + 6) = (5 \times 4) + (5 \times 6)$

B.  $5 \times (4 \times 6) = (5 \times 4) \times 6$

C.  $1 \times 5 = 5$

D.  $5 \times 4 = 4 \times 5$

8) A.  $(2 \times 6) \times 0 = 2 \times (6 \times 0)$

B.  $2 \times 6 = 6 \times 2$

C.  $2 \times 1 = 2$

D.  $(2 \times 6) + (2 \times 0) = 2 \times (6 + 0)$

11. **C**12. **A**

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

B.  $(6 \times 10) \times 1 = 6 \times (10 \times 1)$

C.  $(6 \times 10) + (6 \times 1) = 6 \times (10 + 1)$

D.  $6 \times 1 = 6$

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

B.  $1 \times (10 \times 3) = (1 \times 10) \times 3$

C.  $1 \times 1 = 1$

D.  $1 \times (10 + 3) = (1 \times 10) + (1 \times 3)$

11) A.  $(7 \times 5) \times 4 = 7 \times (5 \times 4)$

B.  $7 \times 5 = 5 \times 7$

C.  $7 \times 1 = 7$

D.  $(7 \times 5) + (7 \times 4) = 7 \times (5 + 4)$

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

B.  $9 \times 5 = 5 \times 9$

C.  $9 \times (5 + 4) = (9 \times 5) + (9 \times 4)$

D.  $9 \times (5 \times 4) = (9 \times 5) \times 4$

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

- 1) A.  $0 \times 1 = 0$   
B.  $(0 \times 10) + (0 \times 7) = 0 \times (10 + 7)$   
C.  $(0 \times 10) \times 7 = 0 \times (10 \times 7)$   
D.  $0 \times 10 = 10 \times 0$
- 2) A.  $(8 \times 4) + (8 \times 7) = 8 \times (4 + 7)$   
B.  $8 \times 4 = 4 \times 8$   
C.  $(8 \times 4) \times 7 = 8 \times (4 \times 7)$   
D.  $8 \times 1 = 8$
- 3) A.  $8 \times 5 = 5 \times 8$   
B.  $8 \times (5 \times 4) = (8 \times 5) \times 4$   
C.  $1 \times 8 = 8$   
D.  $8 \times (5 + 4) = (8 \times 5) + (8 \times 4)$
- 4) A.  $10 \times 9 = 9 \times 10$   
B.  $10 \times (9 + 5) = (10 \times 9) + (10 \times 5)$   
C.  $1 \times 10 = 10$   
D.  $10 \times (9 \times 5) = (10 \times 9) \times 5$
- 5) A.  $3 \times 10 = 10 \times 3$   
B.  $3 \times (10 \times 2) = (3 \times 10) \times 2$   
C.  $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$   
D.  $1 \times 3 = 3$
- 6) A.  $0 \times 10 = 10 \times 0$   
B.  $0 \times (10 + 5) = (0 \times 10) + (0 \times 5)$   
C.  $1 \times 0 = 0$   
D.  $0 \times (10 \times 5) = (0 \times 10) \times 5$
- 7) A.  $2 \times 1 = 2$   
B.  $2 \times 9 = 9 \times 2$   
C.  $(2 \times 9) + (2 \times 5) = 2 \times (9 + 5)$   
D.  $(2 \times 9) \times 5 = 2 \times (9 \times 5)$
- 8) A.  $(5 \times 6) + (5 \times 7) = 5 \times (6 + 7)$   
B.  $5 \times 6 = 6 \times 5$   
C.  $(5 \times 6) \times 7 = 5 \times (6 \times 7)$   
D.  $5 \times 1 = 5$
- 9) A.  $10 \times (5 \times 7) = (10 \times 5) \times 7$   
B.  $10 \times (5 + 7) = (10 \times 5) + (10 \times 7)$   
C.  $1 \times 10 = 10$   
D.  $10 \times 5 = 5 \times 10$
- 10) A.  $1 \times 5 = 5$   
B.  $5 \times (2 + 3) = (5 \times 2) + (5 \times 3)$   
C.  $5 \times 2 = 2 \times 5$   
D.  $5 \times (2 \times 3) = (5 \times 2) \times 3$
- 11) A.  $(4 \times 6) \times 8 = 4 \times (6 \times 8)$   
B.  $(4 \times 6) + (4 \times 8) = 4 \times (6 + 8)$   
C.  $4 \times 6 = 6 \times 4$   
D.  $4 \times 1 = 4$
- 12) A.  $4 \times 10 = 10 \times 4$   
B.  $(4 \times 10) \times 1 = 4 \times (10 \times 1)$   
C.  $(4 \times 10) + (4 \times 1) = 4 \times (10 + 1)$   
D.  $4 \times 1 = 4$
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_  
10. \_\_\_\_\_  
11. \_\_\_\_\_  
12. \_\_\_\_\_

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

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

2) A.  $(8 \times 4) + (8 \times 7) = 8 \times (4 + 7)$

1. **A**

B.  $(0 \times 10) + (0 \times 7) = 0 \times (10 + 7)$

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

2. **D**

C.  $(0 \times 10) \times 7 = 0 \times (10 \times 7)$

C.  $(8 \times 4) \times 7 = 8 \times (4 \times 7)$

3. **C**

D.  $0 \times 10 = 10 \times 0$

D.  $8 \times 1 = 8$

3) A.  $8 \times 5 = 5 \times 8$

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

4. **C**

B.  $8 \times (5 \times 4) = (8 \times 5) \times 4$

B.  $10 \times (9 + 5) = (10 \times 9) + (10 \times 5)$

5. **D**

C.  $1 \times 8 = 8$

C.  $1 \times 10 = 10$

6. **C**

D.  $8 \times (5 + 4) = (8 \times 5) + (8 \times 4)$

D.  $10 \times (9 \times 5) = (10 \times 9) \times 5$

7. **A**

5) A.  $3 \times 10 = 10 \times 3$

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

8. **D**

B.  $3 \times (10 \times 2) = (3 \times 10) \times 2$

B.  $0 \times (10 + 5) = (0 \times 10) + (0 \times 5)$

9. **C**

C.  $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$

C.  $1 \times 0 = 0$

10. **A**

D.  $1 \times 3 = 3$

D.  $0 \times (10 \times 5) = (0 \times 10) \times 5$

11. **D**

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

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

12. **D**

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

B.  $5 \times 6 = 6 \times 5$

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

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

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

D.  $5 \times 1 = 5$

9) A.  $10 \times (5 \times 7) = (10 \times 5) \times 7$

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

B.  $10 \times (5 + 7) = (10 \times 5) + (10 \times 7)$

B.  $5 \times (2 + 3) = (5 \times 2) + (5 \times 3)$

C.  $1 \times 10 = 10$

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

D.  $10 \times 5 = 5 \times 10$

D.  $5 \times (2 \times 3) = (5 \times 2) \times 3$

11) A.  $(4 \times 6) \times 8 = 4 \times (6 \times 8)$

12) A.  $4 \times 10 = 10 \times 4$

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

B.  $(4 \times 10) \times 1 = 4 \times (10 \times 1)$

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

C.  $(4 \times 10) + (4 \times 1) = 4 \times (10 + 1)$

D.  $4 \times 1 = 4$

D.  $4 \times 1 = 4$

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

1) A.  $3 \times 6 = 6 \times 3$

2) A.  $3 \times (7 \times 10) = (3 \times 7) \times 10$

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

B.  $(3 \times 6) \times 10 = 3 \times (6 \times 10)$

B.  $1 \times 3 = 3$

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

C.  $(3 \times 6) + (3 \times 10) = 3 \times (6 + 10)$

C.  $3 \times (7 + 10) = (3 \times 7) + (3 \times 10)$

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

D.  $3 \times 1 = 3$

D.  $3 \times 7 = 7 \times 3$

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

3) A.  $9 \times (7 + 8) = (9 \times 7) + (9 \times 8)$

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

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

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

B.  $9 \times (4 \times 7) = (9 \times 4) \times 7$

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

C.  $1 \times 9 = 9$

C.  $1 \times 9 = 9$

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

D.  $9 \times 7 = 7 \times 9$

D.  $9 \times (4 + 7) = (9 \times 4) + (9 \times 7)$

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

5) A.  $(2 \times 5) \times 8 = 2 \times (5 \times 8)$

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

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

B.  $(2 \times 5) + (2 \times 8) = 2 \times (5 + 8)$

B.  $6 \times 8 = 8 \times 6$

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

C.  $2 \times 1 = 2$

C.  $1 \times 6 = 6$

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

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

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

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

7) A.  $(1 \times 0) \times 10 = 1 \times (0 \times 10)$

8) A.  $1 \times 3 = 3$

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

B.  $1 \times 0 = 0 \times 1$

B.  $3 \times (10 \times 2) = (3 \times 10) \times 2$

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

C.  $1 \times 1 = 1$

C.  $3 \times 10 = 10 \times 3$

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

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

D.  $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$

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

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

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

B.  $7 \times (0 \times 3) = (7 \times 0) \times 3$

B.  $8 \times (9 + 3) = (8 \times 9) + (8 \times 3)$

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

C.  $7 \times 0 = 0 \times 7$

C.  $8 \times 9 = 9 \times 8$

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

D.  $7 \times (0 + 3) = (7 \times 0) + (7 \times 3)$

D.  $8 \times (9 \times 3) = (8 \times 9) \times 3$

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

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

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

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

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

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

C.  $8 \times 1 = 8$

C.  $4 \times 3 = 3 \times 4$

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

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

D.  $1 \times 4 = 4$

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

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1) A.  $3 \times 6 = 6 \times 3$

2) A.  $3 \times (7 \times 10) = (3 \times 7) \times 10$

1. **D**

B.  $(3 \times 6) \times 10 = 3 \times (6 \times 10)$

B.  $1 \times 3 = 3$

2. **B**

C.  $(3 \times 6) + (3 \times 10) = 3 \times (6 + 10)$

C.  $3 \times (7 + 10) = (3 \times 7) + (3 \times 10)$

3. **C**

D.  $3 \times 1 = 3$

D.  $3 \times 7 = 7 \times 3$

3) A.  $9 \times (7 + 8) = (9 \times 7) + (9 \times 8)$

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

4. **C**

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

B.  $9 \times (4 \times 7) = (9 \times 4) \times 7$

5. **C**

C.  $1 \times 9 = 9$

C.  $1 \times 9 = 9$

6. **C**

D.  $9 \times 7 = 7 \times 9$

D.  $9 \times (4 + 7) = (9 \times 4) + (9 \times 7)$

7. **C**

5) A.  $(2 \times 5) \times 8 = 2 \times (5 \times 8)$

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

8. **A**

B.  $(2 \times 5) + (2 \times 8) = 2 \times (5 + 8)$

B.  $6 \times 8 = 8 \times 6$

9. **A**

C.  $2 \times 1 = 2$

C.  $1 \times 6 = 6$

10. **A**

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

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

11. **C**

7) A.  $(1 \times 0) \times 10 = 1 \times (0 \times 10)$

8) A.  $1 \times 3 = 3$

12. **D**

B.  $1 \times 0 = 0 \times 1$

B.  $3 \times (10 \times 2) = (3 \times 10) \times 2$

C.  $1 \times 1 = 1$

C.  $3 \times 10 = 10 \times 3$

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

D.  $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$

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

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

B.  $7 \times (0 \times 3) = (7 \times 0) \times 3$

B.  $8 \times (9 + 3) = (8 \times 9) + (8 \times 3)$

C.  $7 \times 0 = 0 \times 7$

C.  $8 \times 9 = 9 \times 8$

D.  $7 \times (0 + 3) = (7 \times 0) + (7 \times 3)$

D.  $8 \times (9 \times 3) = (8 \times 9) \times 3$

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

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

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

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

C.  $8 \times 1 = 8$

C.  $4 \times 3 = 3 \times 4$

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

D.  $1 \times 4 = 4$

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

1) A.  $2 \times 6 = 6 \times 2$

2) A.  $4 \times (3 + 1) = (4 \times 3) + (4 \times 1)$

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

B.  $(2 \times 6) \times 10 = 2 \times (6 \times 10)$

B.  $1 \times 4 = 4$

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

C.  $(2 \times 6) + (2 \times 10) = 2 \times (6 + 10)$

C.  $4 \times 3 = 3 \times 4$

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

D.  $2 \times 1 = 2$

D.  $4 \times (3 \times 1) = (4 \times 3) \times 1$

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

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

4) A.  $3 \times 5 = 5 \times 3$

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

B.  $2 \times (1 \times 8) = (2 \times 1) \times 8$

B.  $3 \times (5 \times 7) = (3 \times 5) \times 7$

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

C.  $2 \times (1 + 8) = (2 \times 1) + (2 \times 8)$

C.  $1 \times 3 = 3$

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

D.  $1 \times 2 = 2$

D.  $3 \times (5 + 7) = (3 \times 5) + (3 \times 7)$

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

5) A.  $0 \times (2 + 7) = (0 \times 2) + (0 \times 7)$

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

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

B.  $0 \times 2 = 2 \times 0$

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

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

C.  $0 \times (2 \times 7) = (0 \times 2) \times 7$

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

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

D.  $1 \times 0 = 0$

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

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

7) A.  $10 \times (6 + 1) = (10 \times 6) + (10 \times 1)$

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

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

B.  $10 \times (6 \times 1) = (10 \times 6) \times 1$

B.  $(0 \times 8) \times 6 = 0 \times (8 \times 6)$

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

C.  $1 \times 10 = 10$

C.  $0 \times 1 = 0$

D.  $10 \times 6 = 6 \times 10$

D.  $(0 \times 8) + (0 \times 6) = 0 \times (8 + 6)$

9) A.  $(10 \times 6) + (10 \times 4) = 10 \times (6 + 4)$

10) A.  $10 \times 4 = 4 \times 10$

B.  $(10 \times 6) \times 4 = 10 \times (6 \times 4)$

B.  $1 \times 10 = 10$

C.  $10 \times 1 = 10$

C.  $10 \times (4 \times 7) = (10 \times 4) \times 7$

D.  $10 \times 6 = 6 \times 10$

D.  $10 \times (4 + 7) = (10 \times 4) + (10 \times 7)$

11) A.  $(5 \times 9) + (5 \times 0) = 5 \times (9 + 0)$

12) A.  $8 \times (2 + 7) = (8 \times 2) + (8 \times 7)$

B.  $5 \times 9 = 9 \times 5$

B.  $8 \times 2 = 2 \times 8$

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

C.  $1 \times 8 = 8$

D.  $5 \times 1 = 5$

D.  $8 \times (2 \times 7) = (8 \times 2) \times 7$

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

1) A.  $2 \times 6 = 6 \times 2$

2) A.  $4 \times (3 + 1) = (4 \times 3) + (4 \times 1)$

1. **D**

B.  $(2 \times 6) \times 10 = 2 \times (6 \times 10)$

B.  $1 \times 4 = 4$

2. **B**

C.  $(2 \times 6) + (2 \times 10) = 2 \times (6 + 10)$

C.  $4 \times 3 = 3 \times 4$

3. **D**

D.  $2 \times 1 = 2$

D.  $4 \times (3 \times 1) = (4 \times 3) \times 1$

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

4) A.  $3 \times 5 = 5 \times 3$

4. **C**

B.  $2 \times (1 \times 8) = (2 \times 1) \times 8$

B.  $3 \times (5 \times 7) = (3 \times 5) \times 7$

5. **D**

C.  $2 \times (1 + 8) = (2 \times 1) + (2 \times 8)$

C.  $1 \times 3 = 3$

6. **A**

D.  $1 \times 2 = 2$

D.  $3 \times (5 + 7) = (3 \times 5) + (3 \times 7)$

7. **C**

5) A.  $0 \times (2 + 7) = (0 \times 2) + (0 \times 7)$

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

8. **C**

B.  $0 \times 2 = 2 \times 0$

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

9. **C**

C.  $0 \times (2 \times 7) = (0 \times 2) \times 7$

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

10. **B**

D.  $1 \times 0 = 0$

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

11. **D**

7) A.  $10 \times (6 + 1) = (10 \times 6) + (10 \times 1)$

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

12. **C**

B.  $10 \times (6 \times 1) = (10 \times 6) \times 1$

B.  $(0 \times 8) \times 6 = 0 \times (8 \times 6)$

C.  $1 \times 10 = 10$

C.  $0 \times 1 = 0$

D.  $10 \times 6 = 6 \times 10$

D.  $(0 \times 8) + (0 \times 6) = 0 \times (8 + 6)$

9) A.  $(10 \times 6) + (10 \times 4) = 10 \times (6 + 4)$

10) A.  $10 \times 4 = 4 \times 10$

B.  $(10 \times 6) \times 4 = 10 \times (6 \times 4)$

B.  $1 \times 10 = 10$

C.  $10 \times 1 = 10$

C.  $10 \times (4 \times 7) = (10 \times 4) \times 7$

D.  $10 \times 6 = 6 \times 10$

D.  $10 \times (4 + 7) = (10 \times 4) + (10 \times 7)$

11) A.  $(5 \times 9) + (5 \times 0) = 5 \times (9 + 0)$

12) A.  $8 \times (2 + 7) = (8 \times 2) + (8 \times 7)$

B.  $5 \times 9 = 9 \times 5$

B.  $8 \times 2 = 2 \times 8$

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

C.  $1 \times 8 = 8$

D.  $5 \times 1 = 5$

D.  $8 \times (2 \times 7) = (8 \times 2) \times 7$



## Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación

## Respuestas

1) A.  $(0 \times 4) \times 6 = 0 \times (4 \times 6)$

B.  $0 \times 4 = 4 \times 0$

C.  $0 \times 1 = 0$

D.  $(0 \times 4) + (0 \times 6) = 0 \times (4 + 6)$

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

B.  $9 \times 1 = 9$

C.  $9 \times 7 = 7 \times 9$

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

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

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

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

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

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

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

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

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

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

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

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

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

3) A.  $1 \times 3 = 3$

B.  $3 \times (8 + 6) = (3 \times 8) + (3 \times 6)$

C.  $3 \times (8 \times 6) = (3 \times 8) \times 6$

D.  $3 \times 8 = 8 \times 3$

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

B.  $9 \times 1 = 9$

C.  $(9 \times 10) + (9 \times 2) = 9 \times (10 + 2)$

D.  $(9 \times 10) \times 2 = 9 \times (10 \times 2)$

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

B.  $4 \times 7 = 7 \times 4$

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

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

6) A.  $(4 \times 7) \times 0 = 4 \times (7 \times 0)$

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

C.  $4 \times 1 = 4$

D.  $4 \times 7 = 7 \times 4$

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

B.  $(8 \times 1) + (8 \times 3) = 8 \times (1 + 3)$

C.  $8 \times 1 = 8$

D.  $(8 \times 1) \times 3 = 8 \times (1 \times 3)$

8) A.  $6 \times 3 = 3 \times 6$

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

C.  $6 \times 1 = 6$

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

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

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

C.  $1 \times 5 = 5 \times 1$

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

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

B.  $7 \times 1 = 1 \times 7$

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

D.  $1 \times 7 = 7$

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

B.  $4 \times (2 + 7) = (4 \times 2) + (4 \times 7)$

C.  $1 \times 4 = 4$

D.  $4 \times (2 \times 7) = (4 \times 2) \times 7$

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

B.  $(2 \times 7) + (2 \times 5) = 2 \times (7 + 5)$

C.  $(2 \times 7) \times 5 = 2 \times (7 \times 5)$

D.  $2 \times 7 = 7 \times 2$

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

1) A.  $(0 \times 4) \times 6 = 0 \times (4 \times 6)$

B.  $0 \times 4 = 4 \times 0$

C.  $0 \times 1 = 0$

D.  $(0 \times 4) + (0 \times 6) = 0 \times (4 + 6)$

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

B.  $9 \times 1 = 9$

C.  $9 \times 7 = 7 \times 9$

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

1. **C**

3) A.  $1 \times 3 = 3$

B.  $3 \times (8 + 6) = (3 \times 8) + (3 \times 6)$

C.  $3 \times (8 \times 6) = (3 \times 8) \times 6$

D.  $3 \times 8 = 8 \times 3$

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

B.  $9 \times 1 = 9$

C.  $(9 \times 10) + (9 \times 2) = 9 \times (10 + 2)$

D.  $(9 \times 10) \times 2 = 9 \times (10 \times 2)$

4. **B**5. **A**6. **C**7. **C**

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

B.  $4 \times 7 = 7 \times 4$

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

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

6) A.  $(4 \times 7) \times 0 = 4 \times (7 \times 0)$

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

C.  $4 \times 1 = 4$

D.  $4 \times 7 = 7 \times 4$

8. **C**9. **A**10. **D**

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

B.  $(8 \times 1) + (8 \times 3) = 8 \times (1 + 3)$

C.  $8 \times 1 = 8$

D.  $(8 \times 1) \times 3 = 8 \times (1 \times 3)$

8) A.  $6 \times 3 = 3 \times 6$

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

C.  $6 \times 1 = 6$

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

11. **C**12. **A**

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

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

C.  $1 \times 5 = 5 \times 1$

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

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

B.  $7 \times 1 = 1 \times 7$

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

D.  $1 \times 7 = 7$

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

B.  $4 \times (2 + 7) = (4 \times 2) + (4 \times 7)$

C.  $1 \times 4 = 4$

D.  $4 \times (2 \times 7) = (4 \times 2) \times 7$

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

B.  $(2 \times 7) + (2 \times 5) = 2 \times (7 + 5)$

C.  $(2 \times 7) \times 5 = 2 \times (7 \times 5)$

D.  $2 \times 7 = 7 \times 2$



## Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación

## Respuestas

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

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

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.  $1 \times 10 = 10$

C.  $2 \times 1 = 2$

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

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

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

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

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

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

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

B.  $8 \times 1 = 8$

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

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

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

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

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

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

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

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

5) A.  $0 \times (10 \times 3) = (0 \times 10) \times 3$

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

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

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

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

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.  $1 \times 0 = 0$

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

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

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

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

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

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

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

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.  $0 \times 1 = 0$

D.  $1 \times 9 = 9$

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

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

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

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

B.  $9 \times 1 = 9$

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

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

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

11) A.  $(8 \times 7) \times 0 = 8 \times (7 \times 0)$

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

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

B.  $8 \times 1 = 8$

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

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

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

C.  $4 \times 1 = 4$

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

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

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

23. \_\_\_\_\_

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

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

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

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

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

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

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

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

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

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

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

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

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

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

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

1) A.  $3 \times (5 \times 8) = (3 \times 5) \times 8$

B.  $3 \times 5 = 5 \times 3$

C.  $3 \times (5 + 8) = (3 \times 5) + (3 \times 8)$

D.  $1 \times 3 = 3$

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

B.  $5 \times (6 \times 3) = (5 \times 6) \times 3$

C.  $5 \times (6 + 3) = (5 \times 6) + (5 \times 3)$

D.  $1 \times 5 = 5$

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

3) A.  $(9 \times 1) + (9 \times 4) = 9 \times (1 + 4)$

B.  $(9 \times 1) \times 4 = 9 \times (1 \times 4)$

C.  $9 \times 1 = 1 \times 9$

D.  $9 \times 1 = 9$

4) A.  $(8 \times 10) + (8 \times 3) = 8 \times (10 + 3)$

B.  $8 \times 1 = 8$

C.  $8 \times 10 = 10 \times 8$

D.  $(8 \times 10) \times 3 = 8 \times (10 \times 3)$

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

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

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

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

5) A.  $(8 \times 0) + (8 \times 1) = 8 \times (0 + 1)$

B.  $8 \times 1 = 8$

C.  $8 \times 0 = 0 \times 8$

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

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

B.  $9 \times (1 + 8) = (9 \times 1) + (9 \times 8)$

C.  $1 \times 9 = 9$

D.  $9 \times (1 \times 8) = (9 \times 1) \times 8$

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

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

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

7) A.  $7 \times (2 \times 0) = (7 \times 2) \times 0$

B.  $1 \times 7 = 7$

C.  $7 \times (2 + 0) = (7 \times 2) + (7 \times 0)$

D.  $7 \times 2 = 2 \times 7$

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

B.  $7 \times (4 + 10) = (7 \times 4) + (7 \times 10)$

C.  $7 \times (4 \times 10) = (7 \times 4) \times 10$

D.  $7 \times 4 = 4 \times 7$

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

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

9) A.  $5 \times 6 = 6 \times 5$

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

C.  $5 \times 1 = 5$

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

10) A.  $3 \times 6 = 6 \times 3$

B.  $1 \times 3 = 3$

C.  $3 \times (6 \times 1) = (3 \times 6) \times 1$

D.  $3 \times (6 + 1) = (3 \times 6) + (3 \times 1)$

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

B.  $9 \times 4 = 4 \times 9$

C.  $9 \times (4 \times 2) = (9 \times 4) \times 2$

D.  $9 \times (4 + 2) = (9 \times 4) + (9 \times 2)$

12) A.  $(1 \times 8) + (1 \times 10) = 1 \times (8 + 10)$

B.  $1 \times 1 = 1$

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

D.  $1 \times 8 = 8 \times 1$

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

1) A.  $3 \times (5 \times 8) = (3 \times 5) \times 8$

B.  $3 \times 5 = 5 \times 3$

C.  $3 \times (5 + 8) = (3 \times 5) + (3 \times 8)$

D.  $1 \times 3 = 3$

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

B.  $5 \times (6 \times 3) = (5 \times 6) \times 3$

C.  $5 \times (6 + 3) = (5 \times 6) + (5 \times 3)$

D.  $1 \times 5 = 5$

1. **D**

3) A.  $(9 \times 1) + (9 \times 4) = 9 \times (1 + 4)$

B.  $(9 \times 1) \times 4 = 9 \times (1 \times 4)$

C.  $9 \times 1 = 1 \times 9$

D.  $9 \times 1 = 9$

4) A.  $(8 \times 10) + (8 \times 3) = 8 \times (10 + 3)$

B.  $8 \times 1 = 8$

C.  $8 \times 10 = 10 \times 8$

D.  $(8 \times 10) \times 3 = 8 \times (10 \times 3)$

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

5) A.  $(8 \times 0) + (8 \times 1) = 8 \times (0 + 1)$

B.  $8 \times 1 = 8$

C.  $8 \times 0 = 0 \times 8$

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

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

B.  $9 \times (1 + 8) = (9 \times 1) + (9 \times 8)$

C.  $1 \times 9 = 9$

D.  $9 \times (1 \times 8) = (9 \times 1) \times 8$

7) A.  $7 \times (2 \times 0) = (7 \times 2) \times 0$

B.  $1 \times 7 = 7$

C.  $7 \times (2 + 0) = (7 \times 2) + (7 \times 0)$

D.  $7 \times 2 = 2 \times 7$

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

B.  $7 \times (4 + 10) = (7 \times 4) + (7 \times 10)$

C.  $7 \times (4 \times 10) = (7 \times 4) \times 10$

D.  $7 \times 4 = 4 \times 7$

9) A.  $5 \times 6 = 6 \times 5$

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

C.  $5 \times 1 = 5$

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

10) A.  $3 \times 6 = 6 \times 3$

B.  $1 \times 3 = 3$

C.  $3 \times (6 \times 1) = (3 \times 6) \times 1$

D.  $3 \times (6 + 1) = (3 \times 6) + (3 \times 1)$

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

B.  $9 \times 4 = 4 \times 9$

C.  $9 \times (4 \times 2) = (9 \times 4) \times 2$

D.  $9 \times (4 + 2) = (9 \times 4) + (9 \times 2)$

12) A.  $(1 \times 8) + (1 \times 10) = 1 \times (8 + 10)$

B.  $1 \times 1 = 1$

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

D.  $1 \times 8 = 8 \times 1$



**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación**

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

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

**3)** A.  $5 \times (9 \times 0) = (5 \times 9) \times 0$   
B.  $5 \times (9 + 0) = (5 \times 9) + (5 \times 0)$   
C.  $5 \times 9 = 9 \times 5$   
D.  $1 \times 5 = 5$

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

**5)** A.  $5 \times 1 = 5$   
B.  $5 \times 1 = 1 \times 5$   
C.  $(5 \times 1) + (5 \times 9) = 5 \times (1 + 9)$   
D.  $(5 \times 1) \times 9 = 5 \times (1 \times 9)$

**6)** A.  $(3 \times 4) \times 5 = 3 \times (4 \times 5)$   
B.  $3 \times 1 = 3$   
C.  $(3 \times 4) + (3 \times 5) = 3 \times (4 + 5)$   
D.  $3 \times 4 = 4 \times 3$

**7)** A.  $8 \times (3 + 5) = (8 \times 3) + (8 \times 5)$   
B.  $1 \times 8 = 8$   
C.  $8 \times 3 = 3 \times 8$   
D.  $8 \times (3 \times 5) = (8 \times 3) \times 5$

**8)** A.  $8 \times (3 + 6) = (8 \times 3) + (8 \times 6)$   
B.  $8 \times 3 = 3 \times 8$   
C.  $8 \times (3 \times 6) = (8 \times 3) \times 6$   
D.  $1 \times 8 = 8$

**9)** A.  $(5 \times 8) + (5 \times 3) = 5 \times (8 + 3)$   
B.  $5 \times 8 = 8 \times 5$   
C.  $5 \times 1 = 5$   
D.  $(5 \times 8) \times 3 = 5 \times (8 \times 3)$

**10)** A.  $(10 \times 6) \times 5 = 10 \times (6 \times 5)$   
B.  $10 \times 6 = 6 \times 10$   
C.  $10 \times 1 = 10$   
D.  $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

**11)** A.  $8 \times 7 = 7 \times 8$   
B.  $8 \times (7 + 4) = (8 \times 7) + (8 \times 4)$   
C.  $8 \times (7 \times 4) = (8 \times 7) \times 4$   
D.  $1 \times 8 = 8$

**12)** A.  $6 \times 4 = 4 \times 6$   
B.  $6 \times (4 + 1) = (6 \times 4) + (6 \times 1)$   
C.  $1 \times 6 = 6$   
D.  $6 \times (4 \times 1) = (6 \times 4) \times 1$

## **Respuestas**

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- 9)** A.  $(5 \times 8) + (5 \times 3) = 5 \times (8 + 3)$   
B.  $5 \times 8 = 8 \times 5$   
C.  $5 \times 1 = 5$   
D.  $(5 \times 8) \times 3 = 5 \times (8 \times 3)$

**10)** A.  $(10 \times 6) \times 5 = 10 \times (6 \times 5)$   
B.  $10 \times 6 = 6 \times 10$   
C.  $10 \times 1 = 10$   
D.  $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

**11)** A.  $8 \times 7 = 7 \times 8$   
B.  $8 \times (7 + 4) = (8 \times 7) + (8 \times 4)$   
C.  $8 \times (7 \times 4) = (8 \times 7) \times 4$   
D.  $1 \times 8 = 8$

**12)** A.  $6 \times 4 = 4 \times 6$   
B.  $6 \times (4 + 1) = (6 \times 4) + (6 \times 1)$   
C.  $1 \times 6 = 6$   
D.  $6 \times (4 \times 1) = (6 \times 4) \times 1$

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

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

- 2) A.  $1 \times 0 = 0 \times 1$   
 B.  $1 \times (0 + 7) = (1 \times 0) + (1 \times 7)$   
 C.  $1 \times (0 \times 7) = (1 \times 0) \times 7$   
 D.  $1 \times 1 = 1$

- 3) A.  $5 \times (9 \times 0) = (5 \times 9) \times 0$   
 B.  $5 \times (9 + 0) = (5 \times 9) + (5 \times 0)$   
 C.  $5 \times 9 = 9 \times 5$   
 D.  $1 \times 5 = 5$

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

- 5) A.  $5 \times 1 = 5$   
 B.  $5 \times 1 = 1 \times 5$   
 C.  $(5 \times 1) + (5 \times 9) = 5 \times (1 + 9)$   
 D.  $(5 \times 1) \times 9 = 5 \times (1 \times 9)$

- 6) A.  $(3 \times 4) \times 5 = 3 \times (4 \times 5)$   
 B.  $3 \times 1 = 3$   
 C.  $(3 \times 4) + (3 \times 5) = 3 \times (4 + 5)$   
 D.  $3 \times 4 = 4 \times 3$

- 7) A.  $8 \times (3 + 5) = (8 \times 3) + (8 \times 5)$   
 B.  $1 \times 8 = 8$   
 C.  $8 \times 3 = 3 \times 8$   
 D.  $8 \times (3 \times 5) = (8 \times 3) \times 5$

- 8) A.  $8 \times (3 + 6) = (8 \times 3) + (8 \times 6)$   
 B.  $8 \times 3 = 3 \times 8$   
 C.  $8 \times (3 \times 6) = (8 \times 3) \times 6$   
 D.  $1 \times 8 = 8$

- 9) A.  $(5 \times 8) + (5 \times 3) = 5 \times (8 + 3)$   
 B.  $5 \times 8 = 8 \times 5$   
 C.  $5 \times 1 = 5$   
 D.  $(5 \times 8) \times 3 = 5 \times (8 \times 3)$

- 10) A.  $(10 \times 6) \times 5 = 10 \times (6 \times 5)$   
 B.  $10 \times 6 = 6 \times 10$   
 C.  $10 \times 1 = 10$   
 D.  $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

- 11) A.  $8 \times 7 = 7 \times 8$   
 B.  $8 \times (7 + 4) = (8 \times 7) + (8 \times 4)$   
 C.  $8 \times (7 \times 4) = (8 \times 7) \times 4$   
 D.  $1 \times 8 = 8$

- 12) A.  $6 \times 4 = 4 \times 6$   
 B.  $6 \times (4 + 1) = (6 \times 4) + (6 \times 1)$   
 C.  $1 \times 6 = 6$   
 D.  $6 \times (4 \times 1) = (6 \times 4) \times 1$

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



## Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación

## Respuestas

- 1) A.  $(10 \times 5) \times 2 = 10 \times (5 \times 2)$   
 B.  $10 \times 5 = 5 \times 10$   
 C.  $10 \times 1 = 10$   
 D.  $(10 \times 5) + (10 \times 2) = 10 \times (5 + 2)$

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

- 3) A.  $1 \times 1 = 1$   
 B.  $1 \times (2 \times 9) = (1 \times 2) \times 9$   
 C.  $1 \times 2 = 2 \times 1$   
 D.  $1 \times (2 + 9) = (1 \times 2) + (1 \times 9)$

- 4) A.  $7 \times 4 = 4 \times 7$   
 B.  $7 \times 1 = 7$   
 C.  $(7 \times 4) \times 0 = 7 \times (4 \times 0)$   
 D.  $(7 \times 4) + (7 \times 0) = 7 \times (4 + 0)$

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

- 6) A.  $3 \times 1 = 3$   
 B.  $3 \times 4 = 4 \times 3$   
 C.  $(3 \times 4) + (3 \times 6) = 3 \times (4 + 6)$   
 D.  $(3 \times 4) \times 6 = 3 \times (4 \times 6)$

- 7) A.  $(9 \times 4) + (9 \times 1) = 9 \times (4 + 1)$   
 B.  $9 \times 4 = 4 \times 9$   
 C.  $(9 \times 4) \times 1 = 9 \times (4 \times 1)$   
 D.  $9 \times 1 = 9$

- 8) A.  $10 \times 1 = 10$   
 B.  $(10 \times 6) \times 4 = 10 \times (6 \times 4)$   
 C.  $10 \times 6 = 6 \times 10$   
 D.  $(10 \times 6) + (10 \times 4) = 10 \times (6 + 4)$

- 9) A.  $10 \times 1 = 10$   
 B.  $10 \times 6 = 6 \times 10$   
 C.  $(10 \times 6) \times 5 = 10 \times (6 \times 5)$   
 D.  $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

- 10) A.  $7 \times (2 + 6) = (7 \times 2) + (7 \times 6)$   
 B.  $1 \times 7 = 7$   
 C.  $7 \times 2 = 2 \times 7$   
 D.  $7 \times (2 \times 6) = (7 \times 2) \times 6$

- 11) A.  $(4 \times 3) \times 8 = 4 \times (3 \times 8)$   
 B.  $4 \times 1 = 4$   
 C.  $4 \times 3 = 3 \times 4$   
 D.  $(4 \times 3) + (4 \times 8) = 4 \times (3 + 8)$

- 12) A.  $10 \times 3 = 3 \times 10$   
 B.  $10 \times (3 + 1) = (10 \times 3) + (10 \times 1)$   
 C.  $1 \times 10 = 10$   
 D.  $10 \times (3 \times 1) = (10 \times 3) \times 1$

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**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

- 1) A.  $(10 \times 5) \times 2 = 10 \times (5 \times 2)$   
 B.  $10 \times 5 = 5 \times 10$   
 C.  $10 \times 1 = 10$   
 D.  $(10 \times 5) + (10 \times 2) = 10 \times (5 + 2)$

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

- 3) A.  $1 \times 1 = 1$   
 B.  $1 \times (2 \times 9) = (1 \times 2) \times 9$   
 C.  $1 \times 2 = 2 \times 1$   
 D.  $1 \times (2 + 9) = (1 \times 2) + (1 \times 9)$

- 4) A.  $7 \times 4 = 4 \times 7$   
 B.  $7 \times 1 = 7$   
 C.  $(7 \times 4) \times 0 = 7 \times (4 \times 0)$   
 D.  $(7 \times 4) + (7 \times 0) = 7 \times (4 + 0)$

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

- 6) A.  $3 \times 1 = 3$   
 B.  $3 \times 4 = 4 \times 3$   
 C.  $(3 \times 4) + (3 \times 6) = 3 \times (4 + 6)$   
 D.  $(3 \times 4) \times 6 = 3 \times (4 \times 6)$

- 7) A.  $(9 \times 4) + (9 \times 1) = 9 \times (4 + 1)$   
 B.  $9 \times 4 = 4 \times 9$   
 C.  $(9 \times 4) \times 1 = 9 \times (4 \times 1)$   
 D.  $9 \times 1 = 9$

- 8) A.  $10 \times 1 = 10$   
 B.  $(10 \times 6) \times 4 = 10 \times (6 \times 4)$   
 C.  $10 \times 6 = 6 \times 10$   
 D.  $(10 \times 6) + (10 \times 4) = 10 \times (6 + 4)$

- 9) A.  $10 \times 1 = 10$   
 B.  $10 \times 6 = 6 \times 10$   
 C.  $(10 \times 6) \times 5 = 10 \times (6 \times 5)$   
 D.  $(10 \times 6) + (10 \times 5) = 10 \times (6 + 5)$

- 10) A.  $7 \times (2 + 6) = (7 \times 2) + (7 \times 6)$   
 B.  $1 \times 7 = 7$   
 C.  $7 \times 2 = 2 \times 7$   
 D.  $7 \times (2 \times 6) = (7 \times 2) \times 6$

- 11) A.  $(4 \times 3) \times 8 = 4 \times (3 \times 8)$   
 B.  $4 \times 1 = 4$   
 C.  $4 \times 3 = 3 \times 4$   
 D.  $(4 \times 3) + (4 \times 8) = 4 \times (3 + 8)$

- 12) A.  $10 \times 3 = 3 \times 10$   
 B.  $10 \times (3 + 1) = (10 \times 3) + (10 \times 1)$   
 C.  $1 \times 10 = 10$   
 D.  $10 \times (3 \times 1) = (10 \times 3) \times 1$

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

**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

- 1)** A.  $1 \times 0 = 0 \times 1$   
 B.  $1 \times (0 + 10) = (1 \times 0) + (1 \times 10)$   
 C.  $1 \times (0 \times 10) = (1 \times 0) \times 10$   
 D.  $1 \times 1 = 1$
- 2)** A.  $(7 \times 2) + (7 \times 6) = 7 \times (2 + 6)$   
 B.  $7 \times 1 = 7$   
 C.  $(7 \times 2) \times 6 = 7 \times (2 \times 6)$   
 D.  $7 \times 2 = 2 \times 7$
- 3)** A.  $8 \times (6 + 2) = (8 \times 6) + (8 \times 2)$   
 B.  $8 \times 6 = 6 \times 8$   
 C.  $1 \times 8 = 8$   
 D.  $8 \times (6 \times 2) = (8 \times 6) \times 2$
- 4)** A.  $7 \times (9 \times 1) = (7 \times 9) \times 1$   
 B.  $7 \times (9 + 1) = (7 \times 9) + (7 \times 1)$   
 C.  $1 \times 7 = 7$   
 D.  $7 \times 9 = 9 \times 7$
- 5)** A.  $4 \times (7 + 5) = (4 \times 7) + (4 \times 5)$   
 B.  $1 \times 4 = 4$   
 C.  $4 \times (7 \times 5) = (4 \times 7) \times 5$   
 D.  $4 \times 7 = 7 \times 4$
- 6)** A.  $0 \times 9 = 9 \times 0$   
 B.  $0 \times (9 + 1) = (0 \times 9) + (0 \times 1)$   
 C.  $1 \times 0 = 0$   
 D.  $0 \times (9 \times 1) = (0 \times 9) \times 1$
- 7)** A.  $0 \times 1 = 0$   
 B.  $(0 \times 1) + (0 \times 9) = 0 \times (1 + 9)$   
 C.  $0 \times 1 = 1 \times 0$   
 D.  $(0 \times 1) \times 9 = 0 \times (1 \times 9)$
- 8)** A.  $(4 \times 5) + (4 \times 3) = 4 \times (5 + 3)$   
 B.  $4 \times 5 = 5 \times 4$   
 C.  $(4 \times 5) \times 3 = 4 \times (5 \times 3)$   
 D.  $4 \times 1 = 4$
- 9)** A.  $2 \times (8 \times 3) = (2 \times 8) \times 3$   
 B.  $1 \times 2 = 2$   
 C.  $2 \times 8 = 8 \times 2$   
 D.  $2 \times (8 + 3) = (2 \times 8) + (2 \times 3)$
- 10)** A.  $1 \times 2 = 2$   
 B.  $2 \times 5 = 5 \times 2$   
 C.  $2 \times (5 \times 9) = (2 \times 5) \times 9$   
 D.  $2 \times (5 + 9) = (2 \times 5) + (2 \times 9)$
- 11)** A.  $5 \times 8 = 8 \times 5$   
 B.  $5 \times (8 + 3) = (5 \times 8) + (5 \times 3)$   
 C.  $1 \times 5 = 5$   
 D.  $5 \times (8 \times 3) = (5 \times 8) \times 3$
- 12)** A.  $4 \times 1 = 4$   
 B.  $(4 \times 8) + (4 \times 10) = 4 \times (8 + 10)$   
 C.  $4 \times 8 = 8 \times 4$   
 D.  $(4 \times 8) \times 10 = 4 \times (8 \times 10)$
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**Determinar cuál opción muestra mejor la propiedad de identidad de la multiplicación****Respuestas**

- 1) A.  $1 \times 0 = 0 \times 1$   
 B.  $1 \times (0 + 10) = (1 \times 0) + (1 \times 10)$   
 C.  $1 \times (0 \times 10) = (1 \times 0) \times 10$   
 D.  $1 \times 1 = 1$

- 2) A.  $(7 \times 2) + (7 \times 6) = 7 \times (2 + 6)$   
 B.  $7 \times 1 = 7$   
 C.  $(7 \times 2) \times 6 = 7 \times (2 \times 6)$   
 D.  $7 \times 2 = 2 \times 7$

- 3) A.  $8 \times (6 + 2) = (8 \times 6) + (8 \times 2)$   
 B.  $8 \times 6 = 6 \times 8$   
 C.  $1 \times 8 = 8$   
 D.  $8 \times (6 \times 2) = (8 \times 6) \times 2$

- 4) A.  $7 \times (9 \times 1) = (7 \times 9) \times 1$   
 B.  $7 \times (9 + 1) = (7 \times 9) + (7 \times 1)$   
 C.  $1 \times 7 = 7$   
 D.  $7 \times 9 = 9 \times 7$

- 5) A.  $4 \times (7 + 5) = (4 \times 7) + (4 \times 5)$   
 B.  $1 \times 4 = 4$   
 C.  $4 \times (7 \times 5) = (4 \times 7) \times 5$   
 D.  $4 \times 7 = 7 \times 4$

- 6) A.  $0 \times 9 = 9 \times 0$   
 B.  $0 \times (9 + 1) = (0 \times 9) + (0 \times 1)$   
 C.  $1 \times 0 = 0$   
 D.  $0 \times (9 \times 1) = (0 \times 9) \times 1$

- 7) A.  $0 \times 1 = 0$   
 B.  $(0 \times 1) + (0 \times 9) = 0 \times (1 + 9)$   
 C.  $0 \times 1 = 1 \times 0$   
 D.  $(0 \times 1) \times 9 = 0 \times (1 \times 9)$

- 8) A.  $(4 \times 5) + (4 \times 3) = 4 \times (5 + 3)$   
 B.  $4 \times 5 = 5 \times 4$   
 C.  $(4 \times 5) \times 3 = 4 \times (5 \times 3)$   
 D.  $4 \times 1 = 4$

- 9) A.  $2 \times (8 \times 3) = (2 \times 8) \times 3$   
 B.  $1 \times 2 = 2$   
 C.  $2 \times 8 = 8 \times 2$   
 D.  $2 \times (8 + 3) = (2 \times 8) + (2 \times 3)$

- 10) A.  $1 \times 2 = 2$   
 B.  $2 \times 5 = 5 \times 2$   
 C.  $2 \times (5 \times 9) = (2 \times 5) \times 9$   
 D.  $2 \times (5 + 9) = (2 \times 5) + (2 \times 9)$

- 11) A.  $5 \times 8 = 8 \times 5$   
 B.  $5 \times (8 + 3) = (5 \times 8) + (5 \times 3)$   
 C.  $1 \times 5 = 5$   
 D.  $5 \times (8 \times 3) = (5 \times 8) \times 3$

- 12) A.  $4 \times 1 = 4$   
 B.  $(4 \times 8) + (4 \times 10) = 4 \times (8 + 10)$   
 C.  $4 \times 8 = 8 \times 4$   
 D.  $(4 \times 8) \times 10 = 4 \times (8 \times 10)$

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