Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

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

C. $7 \times 2 = 2 \times 7$

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

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

B. $7 \times 3 = 3 \times 7$

C. $7 \times 1 = 7$

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

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

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

C. $2 \times 1 = 2$

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

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

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

C. $9 \times 1 = 9$

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

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

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

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

D. $1 \times 2 = 2$

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

B. $9 \times 3 = 3 \times 9$

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

D. $1 \times 9 = 9$

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

B. $1 \times 5 = 5$

C. $5 \times 4 = 4 \times 5$

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

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

B. $(2 \times 6) \times 0 = 2 \times (6 \times 0)$

C. $2 \times 6 = 6 \times 2$

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

9) A. $(6 \times 10) \times 1 = 6 \times (10 \times 1)$

B. $6 \times 1 = 6$

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

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

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

B. $1 \times 1 = 1$

C. $1 \times 10 = 10 \times 1$

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

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

B. $(7 \times 5) \times 4 = 7 \times (5 \times 4)$

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

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

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

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

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

D. $1 \times 9 = 9$

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

1)   A. $7 \times 1 = 7$
B. $(7 \times 2) \times 4 = 7 \times (2 \times 4)$
C. $7 \times 2 = 2 \times 7$
D. $(7 \times 2) + (7 \times 4) = 7 \times (2 + 4)$

2)   A. $(7 \times 3) + (7 \times 2) = 7 \times (3 + 2)$
B. $7 \times 3 = 3 \times 7$
C. $7 \times 1 = 7$
D. $(7 \times 3) \times 2 = 7 \times (3 \times 2)$

3)   A. $2 \times 10 = 10 \times 2$
B. $(2 \times 10) + (2 \times 8) = 2 \times (10 + 8)$
C. $2 \times 1 = 2$
D. $(2 \times 10) \times 8 = 2 \times (10 \times 8)$

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

5)   A. $2 \times 3 = 3 \times 2$
B. $2 \times (3 \times 5) = (2 \times 3) \times 5$
C. $2 \times (3 + 5) = (2 \times 3) + (2 \times 5)$
D. $1 \times 2 = 2$

6)   A. $9 \times (3 + 7) = (9 \times 3) + (9 \times 7)$
B. $9 \times 3 = 3 \times 9$
C. $9 \times (3 \times 7) = (9 \times 3) \times 7$
D. $1 \times 9 = 9$

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

8)   A. $2 \times 1 = 2$
B. $(2 \times 6) \times 0 = 2 \times (6 \times 0)$
C. $2 \times 6 = 6 \times 2$
D. $(2 \times 6) + (2 \times 0) = 2 \times (6 + 0)$

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

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

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

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

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

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

1) A. $0 \times 10 = 10 \times 0$
B. $(0 \times 10) + (0 \times 7) = 0 \times (10 + 7)$
C. $0 \times 1 = 0$
D. $(0 \times 10) \times 7 = 0 \times (10 \times 7)$

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

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

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

5) A. $3 \times (10 \times 2) = (3 \times 10) \times 2$
B. $1 \times 3 = 3$
C. $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$
D. $3 \times 10 = 10 \times 3$

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

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

8) A. $(5 \times 6) + (5 \times 7) = 5 \times (6 + 7)$
B. $(5 \times 6) \times 7 = 5 \times (6 \times 7)$
C. $5 \times 1 = 5$
D. $5 \times 6 = 6 \times 5$

9) A. $1 \times 10 = 10$
B. $10 \times (5 + 7) = (10 \times 5) + (10 \times 7)$
C. $10 \times 5 = 5 \times 10$
D. $10 \times (5 \times 7) = (10 \times 5) \times 7$

10) A. $5 \times 2 = 2 \times 5$
B. $5 \times (2 + 3) = (5 \times 2) + (5 \times 3)$
C. $5 \times (2 \times 3) = (5 \times 2) \times 3$
D. $1 \times 5 = 5$

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

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

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

1) A. $0 \times 10 = 10 \times 0$
B. $(0 \times 10) + (0 \times 7) = 0 \times (10 + 7)$
C. $0 \times 1 = 0$
D. $(0 \times 10) \times 7 = 0 \times (10 \times 7)$

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

1. **A**

2. **D**

3. **C**

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

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

4. **C**

5. **D**

6. **C**

5) A. $3 \times (10 \times 2) = (3 \times 10) \times 2$
B. $1 \times 3 = 3$
C. $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$
D. $3 \times 10 = 10 \times 3$

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

7. **A**

8. **D**

9. **C**

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

8) A. $(5 \times 6) + (5 \times 7) = 5 \times (6 + 7)$
B. $(5 \times 6) \times 7 = 5 \times (6 \times 7)$
C. $5 \times 1 = 5$
D. $5 \times 6 = 6 \times 5$

10. **A**

11. **D**

12. **D**

9) A. $1 \times 10 = 10$
B. $10 \times (5 + 7) = (10 \times 5) + (10 \times 7)$
C. $10 \times 5 = 5 \times 10$
D. $10 \times (5 \times 7) = (10 \times 5) \times 7$

10) A. $5 \times 2 = 2 \times 5$
B. $5 \times (2 + 3) = (5 \times 2) + (5 \times 3)$
C. $5 \times (2 \times 3) = (5 \times 2) \times 3$
D. $1 \times 5 = 5$

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

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

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

Encontrando la propiedad conmutativa de la multiplicación   Nombre:

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

1) A. $(3 \times 6) \times 10 = 3 \times (6 \times 10)$
B. $3 \times 1 = 3$
C. $(3 \times 6) + (3 \times 10) = 3 \times (6 + 10)$
D. $3 \times 6 = 6 \times 3$

2) A. $1 \times 3 = 3$
B. $3 \times 7 = 7 \times 3$
C. $3 \times (7 + 10) = (3 \times 7) + (3 \times 10)$
D. $3 \times (7 \times 10) = (3 \times 7) \times 10$

3) A. $9 \times (7 + 8) = (9 \times 7) + (9 \times 8)$
B. $1 \times 9 = 9$
C. $9 \times 7 = 7 \times 9$
D. $9 \times (7 \times 8) = (9 \times 7) \times 8$

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

5) A. $2 \times 1 = 2$
B. $(2 \times 5) + (2 \times 8) = 2 \times (5 + 8)$
C. $2 \times 5 = 5 \times 2$
D. $(2 \times 5) \times 8 = 2 \times (5 \times 8)$

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

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

8) A. $3 \times 10 = 10 \times 3$
B. $1 \times 3 = 3$
C. $3 \times (10 \times 2) = (3 \times 10) \times 2$
D. $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$

9) A. $7 \times 0 = 0 \times 7$
B. $1 \times 7 = 7$
C. $7 \times (0 \times 3) = (7 \times 0) \times 3$
D. $7 \times (0 + 3) = (7 \times 0) + (7 \times 3)$

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

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

12) A. $4 \times (3 + 0) = (4 \times 3) + (4 \times 0)$
B. $1 \times 4 = 4$
C. $4 \times (3 \times 0) = (4 \times 3) \times 0$
D. $4 \times 3 = 3 \times 4$

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

1) A. $(3 \times 6) \times 10 = 3 \times (6 \times 10)$
B. $3 \times 1 = 3$
C. $(3 \times 6) + (3 \times 10) = 3 \times (6 + 10)$
D. $3 \times 6 = 6 \times 3$

2) A. $1 \times 3 = 3$
B. $3 \times 7 = 7 \times 3$
C. $3 \times (7 + 10) = (3 \times 7) + (3 \times 10)$
D. $3 \times (7 \times 10) = (3 \times 7) \times 10$

1. **D**

2. **B**

3. **C**

3) A. $9 \times (7 + 8) = (9 \times 7) + (9 \times 8)$
B. $1 \times 9 = 9$
C. $9 \times 7 = 7 \times 9$
D. $9 \times (7 \times 8) = (9 \times 7) \times 8$

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

4. **C**

5. **C**

6. **C**

7. **C**

5) A. $2 \times 1 = 2$
B. $(2 \times 5) + (2 \times 8) = 2 \times (5 + 8)$
C. $2 \times 5 = 5 \times 2$
D. $(2 \times 5) \times 8 = 2 \times (5 \times 8)$

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

8. **A**

9. **A**

10. **A**

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

8) A. $3 \times 10 = 10 \times 3$
B. $1 \times 3 = 3$
C. $3 \times (10 \times 2) = (3 \times 10) \times 2$
D. $3 \times (10 + 2) = (3 \times 10) + (3 \times 2)$

11. **C**

12. **D**

9) A. $7 \times 0 = 0 \times 7$
B. $1 \times 7 = 7$
C. $7 \times (0 \times 3) = (7 \times 0) \times 3$
D. $7 \times (0 + 3) = (7 \times 0) + (7 \times 3)$

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

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

12) A. $4 \times (3 + 0) = (4 \times 3) + (4 \times 0)$
B. $1 \times 4 = 4$
C. $4 \times (3 \times 0) = (4 \times 3) \times 0$
D. $4 \times 3 = 3 \times 4$

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

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

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

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

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

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

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

8) A. $(0 \times 8) \times 6 = 0 \times (8 \times 6)$
B. $0 \times 1 = 0$
C. $0 \times 8 = 8 \times 0$
D. $(0 \times 8) + (0 \times 6) = 0 \times (8 + 6)$

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

10) A. $10 \times (4 \times 7) = (10 \times 4) \times 7$
B. $10 \times 4 = 4 \times 10$
C. $1 \times 10 = 10$
D. $10 \times (4 + 7) = (10 \times 4) + (10 \times 7)$

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

12) A. $8 \times (2 + 7) = (8 \times 2) + (8 \times 7)$
B. $8 \times (2 \times 7) = (8 \times 2) \times 7$
C. $8 \times 2 = 2 \times 8$
D. $1 \times 8 = 8$

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4

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

1) A. $(2 \times 6) \times 10 = 2 \times (6 \times 10)$

B. $2 \times 1 = 2$

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

D. $2 \times 6 = 6 \times 2$

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

B. $4 \times 3 = 3 \times 4$

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

D. $1 \times 4 = 4$

1. ____**D**____

2. ____**B**____

3. ____**D**____

3) A. $2 \times (1 \times 8) = (2 \times 1) \times 8$

B. $1 \times 2 = 2$

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

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

4) A. $3 \times (5 \times 7) = (3 \times 5) \times 7$

B. $1 \times 3 = 3$

C. $3 \times 5 = 5 \times 3$

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

4. ____**C**____

5. ____**D**____

6. ____**A**____

7. ____**C**____

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

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

C. $1 \times 0 = 0$

D. $0 \times 2 = 2 \times 0$

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

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

C. $1 \times 9 = 9$

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

8. ____**C**____

9. ____**C**____

10. ____**B**____

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

B. $1 \times 10 = 10$

C. $10 \times 6 = 6 \times 10$

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

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

B. $0 \times 1 = 0$

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

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

11. ____**D**____

12. ____**C**____

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

B. $10 \times 1 = 10$

C. $10 \times 6 = 6 \times 10$

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

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

B. $10 \times 4 = 4 \times 10$

C. $1 \times 10 = 10$

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

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

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

C. $5 \times 1 = 5$

D. $5 \times 9 = 9 \times 5$

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

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

C. $8 \times 2 = 2 \times 8$

D. $1 \times 8 = 8$

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

1) A. $0 \times 1 = 0$
B. $(0 \times 4) \times 6 = 0 \times (4 \times 6)$
C. $0 \times 4 = 4 \times 0$
D. $(0 \times 4) + (0 \times 6) = 0 \times (4 + 6)$

2) A. $9 \times 1 = 9$
B. $9 \times 7 = 7 \times 9$
C. $(9 \times 7) \times 3 = 9 \times (7 \times 3)$
D. $(9 \times 7) + (9 \times 3) = 9 \times (7 + 3)$

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

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

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

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

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

8) A. $(6 \times 3) \times 9 = 6 \times (3 \times 9)$
B. $(6 \times 3) + (6 \times 9) = 6 \times (3 + 9)$
C. $6 \times 3 = 3 \times 6$
D. $6 \times 1 = 6$

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

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

11) A. $4 \times (2 \times 7) = (4 \times 2) \times 7$
B. $4 \times (2 + 7) = (4 \times 2) + (4 \times 7)$
C. $4 \times 2 = 2 \times 4$
D. $1 \times 4 = 4$

12) A. $2 \times 7 = 7 \times 2$
B. $(2 \times 7) + (2 \times 5) = 2 \times (7 + 5)$
C. $2 \times 1 = 2$
D. $(2 \times 7) \times 5 = 2 \times (7 \times 5)$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

1) A. $0 \times 1 = 0$
B. $(0 \times 4) \times 6 = 0 \times (4 \times 6)$
C. $0 \times 4 = 4 \times 0$
D. $(0 \times 4) + (0 \times 6) = 0 \times (4 + 6)$

2) A. $9 \times 1 = 9$
B. $9 \times 7 = 7 \times 9$
C. $(9 \times 7) \times 3 = 9 \times (7 \times 3)$
D. $(9 \times 7) + (9 \times 3) = 9 \times (7 + 3)$

1. **C**

2. **B**

3. **A**

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

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

4. **B**

5. **A**

6. **C**

7. **C**

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

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

8. **C**

9. **A**

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

8) A. $(6 \times 3) \times 9 = 6 \times (3 \times 9)$
B. $(6 \times 3) + (6 \times 9) = 6 \times (3 + 9)$
C. $6 \times 3 = 3 \times 6$
D. $6 \times 1 = 6$

10. **D**

11. **C**

12. **A**

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

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

11) A. $4 \times (2 \times 7) = (4 \times 2) \times 7$
B. $4 \times (2 + 7) = (4 \times 2) + (4 \times 7)$
C. $4 \times 2 = 2 \times 4$
D. $1 \times 4 = 4$

12) A. $2 \times 7 = 7 \times 2$
B. $(2 \times 7) + (2 \times 5) = 2 \times (7 + 5)$
C. $2 \times 1 = 2$
D. $(2 \times 7) \times 5 = 2 \times (7 \times 5)$

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

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

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

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

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

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

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

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

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

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

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

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

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

1. <u>**C**</u>

2. <u>**C**</u>

3. <u>**B**</u>

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

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

4. <u>**A**</u>

5. <u>**D**</u>

6. <u>**A**</u>

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

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

7. <u>**D**</u>

8. <u>**D**</u>

9. <u>**A**</u>

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

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

10. <u>**B**</u>

11. <u>**B**</u>

12. <u>**C**</u>

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

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

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

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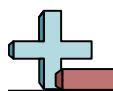C. $4 \times 8 = 8 \times 4$
D. $4 \times 1 = 4$

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

2)
A. $5 \times (6 \times 3) = (5 \times 6) \times 3$
B. $1 \times 5 = 5$
C. $5 \times (6 + 3) = (5 \times 6) + (5 \times 3)$
D. $5 \times 6 = 6 \times 5$

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

4)
A. $(8 \times 10) + (8 \times 3) = 8 \times (10 + 3)$
B. $8 \times 10 = 10 \times 8$
C. $(8 \times 10) \times 3 = 8 \times (10 \times 3)$
D. $8 \times 1 = 8$

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

6)
A. $9 \times (1 \times 8) = (9 \times 1) \times 8$
B. $9 \times (1 + 8) = (9 \times 1) + (9 \times 8)$
C. $9 \times 1 = 1 \times 9$
D. $1 \times 9 = 9$

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

8)
A. $7 \times 4 = 4 \times 7$
B. $7 \times (4 + 10) = (7 \times 4) + (7 \times 10)$
C. $1 \times 7 = 7$
D. $7 \times (4 \times 10) = (7 \times 4) \times 10$

9)
A. $(5 \times 6) \times 7 = 5 \times (6 \times 7)$
B. $5 \times 1 = 5$
C. $5 \times 6 = 6 \times 5$
D. $(5 \times 6) + (5 \times 7) = 5 \times (6 + 7)$

10)
A. $3 \times (6 \times 1) = (3 \times 6) \times 1$
B. $3 \times 6 = 6 \times 3$
C. $1 \times 3 = 3$
D. $3 \times (6 + 1) = (3 \times 6) + (3 \times 1)$

11)
A. $9 \times 4 = 4 \times 9$
B. $9 \times (4 \times 2) = (9 \times 4) \times 2$
C. $1 \times 9 = 9$
D. $9 \times (4 + 2) = (9 \times 4) + (9 \times 2)$

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

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

1. ____**D**____

2. ____**D**____

3. ____**D**____

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

4)　A. $(8 \times 10) + (8 \times 3) = 8 \times (10 + 3)$
　　B. $8 \times 10 = 10 \times 8$
　　C. $(8 \times 10) \times 3 = 8 \times (10 \times 3)$
　　D. $8 \times 1 = 8$

4. ____**B**____

5. ____**B**____

6. ____**C**____

7. ____**B**____

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

6)　A. $9 \times (1 \times 8) = (9 \times 1) \times 8$
　　B. $9 \times (1 + 8) = (9 \times 1) + (9 \times 8)$
　　C. $9 \times 1 = 1 \times 9$
　　D. $1 \times 9 = 9$

8. ____**A**____

9. ____**C**____

10. ____**B**____

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

8)　A. $7 \times 4 = 4 \times 7$
　　B. $7 \times (4 + 10) = (7 \times 4) + (7 \times 10)$
　　C. $1 \times 7 = 7$
　　D. $7 \times (4 \times 10) = (7 \times 4) \times 10$

11. ____**A**____

12. ____**B**____

9)　A. $(5 \times 6) \times 7 = 5 \times (6 \times 7)$
　　B. $5 \times 1 = 5$
　　C. $5 \times 6 = 6 \times 5$
　　D. $(5 \times 6) + (5 \times 7) = 5 \times (6 + 7)$

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

11)　A. $9 \times 4 = 4 \times 9$
　　B. $9 \times (4 \times 2) = (9 \times 4) \times 2$
　　C. $1 \times 9 = 9$
　　D. $9 \times (4 + 2) = (9 \times 4) + (9 \times 2)$

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

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

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

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

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

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

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

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

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

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

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

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

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

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

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

1. **C**

2. **D**

3. **D**

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

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

4. **B**

5. **A**

6. **B**

7. **B**

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

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

8. **D**

9. **C**

10. **C**

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

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

11. **D**

12. **C**

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

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

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

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

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

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

1. _____

2. _____

3. _____

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

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

4. _____

5. _____

6. _____

7. _____

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

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

8. _____

9. _____

10. _____

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

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

11. _____

12. _____

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

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

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

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

9

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

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

1. <u> **C** </u>

2. <u> **D** </u>

3. <u> **A** </u>

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

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

4. <u> **B** </u>

5. <u> **D** </u>

6. <u> **A** </u>

7. <u> **D** </u>

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

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

8. <u> **A** </u>

9. <u> **A** </u>

10. <u> **B** </u>

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

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

11. <u> **B** </u>

12. <u> **C** </u>

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

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

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

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

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

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

1. _____

2. _____

3. _____

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

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

4. _____

5. _____

6. _____

7. _____

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

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

8. _____

9. _____

10. _____

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

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

11. _____

12. _____

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

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

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

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

10

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

Determinar cuál opción muestra mejor la propiedad conmutativa de la multiplicación.

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

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

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

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

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

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

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

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

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

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

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

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

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

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