Finding Distributive Property of Multiplication

Name: _____

Determine which choice best shows the distributive property of multiplication.

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

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

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

4) A. $1 \times 2 = 2$
   B. $2 \times (6 \times 9) = (2 \times 6) \times 9$
   C. $2 \times (6 + 9) = (2 \times 6) + (2 \times 9)$
   D. $2 \times 6 = 6 \times 2$

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

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

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

8) A. $8 \times 0 = 0 \times 8$
   B. $(8 \times 0) + (8 \times 10) = 8 \times (0 + 10)$
   C. $(8 \times 0) \times 10 = 8 \times (0 \times 10)$
   D. $8 \times 1 = 8$

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

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

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

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

Math

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

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

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

1. **D**

2. **C**

3. **C**

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

4) A. $1 \times 2 = 2$
   B. $2 \times (6 \times 9) = (2 \times 6) \times 9$
   C. $2 \times (6 + 9) = (2 \times 6) + (2 \times 9)$
   D. $2 \times 6 = 6 \times 2$

4. **C**

5. **A**

6. **C**

7. **C**

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

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

8. **B**

9. **A**

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

8) A. $8 \times 0 = 0 \times 8$
   B. $(8 \times 0) + (8 \times 10) = 8 \times (0 + 10)$
   C. $(8 \times 0) \times 10 = 8 \times (0 \times 10)$
   D. $8 \times 1 = 8$

10. **B**

11. **D**

12. **D**

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

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

11) A. $3 \times 1 = 3$
    B. $3 \times 7 = 7 \times 3$
    C. $(3 \times 7) \times 4 = 3 \times (7 \times 4)$
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12) A. $0 \times (7 \times 9) = (0 \times 7) \times 9$
    B. $0 \times 7 = 7 \times 0$
    C. $1 \times 0 = 0$
    D. $0 \times (7 + 9) = (0 \times 7) + (0 \times 9)$

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