Name:

Determine which choice best shows the identity property of multiplication.

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

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

1. _____

2. _____

3. _____

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

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

4. _____

5. _____

6. _____

7. _____

5) A. $6 \times 1 = 6$
    B. $6 \times 3 = 3 \times 6$
    C. $(6 \times 3) + (6 \times 0) = 6 \times (3 + 0)$
    D. $(6 \times 3) \times 0 = 6 \times (3 \times 0)$

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

8. _____

9. _____

10. _____

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

8) A. $9 \times (2 \times 0) = (9 \times 2) \times 0$
    B. $9 \times 2 = 2 \times 9$
    C. $9 \times (2 + 0) = (9 \times 2) + (9 \times 0)$
    D. $1 \times 9 = 9$

11. _____

12. _____

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

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

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

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

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

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    C. $2 \times 3 = 3 \times 2$
    D. $1 \times 2 = 2$

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

1. ____**D**____

2. ____**D**____

3. ____**A**____

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

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

4. ____**A**____

5. ____**A**____

6. ____**D**____

5) A. $6 \times 1 = 6$
    B. $6 \times 3 = 3 \times 6$
    C. $(6 \times 3) + (6 \times 0) = 6 \times (3 + 0)$
    D. $(6 \times 3) \times 0 = 6 \times (3 \times 0)$

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

7. ____**D**____

8. ____**D**____

9. ____**D**____

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

8) A. $9 \times (2 \times 0) = (9 \times 2) \times 0$
    B. $9 \times 2 = 2 \times 9$
    C. $9 \times (2 + 0) = (9 \times 2) + (9 \times 0)$
    D. $1 \times 9 = 9$

10. ____**C**____

11. ____**B**____

12. ____**B**____

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

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

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

1-10	92	83	75	67	58	50	42	33	25	17
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