Name:

Determine which choice best shows the identity property of multiplication.

Answers

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

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

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

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

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

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

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

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

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

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

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

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

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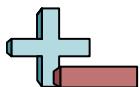4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

Math

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

Name: **Answer Key**

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