Determine which choice best shows the identity property of multiplication.

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

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

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

4) A. $1 \times 3 = 3$
B. $3 \times 2 = 2 \times 3$
C. $3 \times (2 \times 0) = (3 \times 2) \times 0$
D. $3 \times (2 + 0) = (3 \times 2) + (3 \times 0)$

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

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

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

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

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

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

11) A. $4 \times 0 = 0 \times 4$
B. $4 \times (0 + 2) = (4 \times 0) + (4 \times 2)$
C. $1 \times 4 = 4$
D. $4 \times (0 \times 2) = (4 \times 0) \times 2$

12) A. $9 \times (0 \times 10) = (9 \times 0) \times 10$
B. $1 \times 9 = 9$
C. $9 \times 0 = 0 \times 9$
D. $9 \times (0 + 10) = (9 \times 0) + (9 \times 10)$

Answers

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								

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12) A. $9 \times (0 \times 10) = (9 \times 0) \times 10$
B. $1 \times 9 = 9$
C. $9 \times 0 = 0 \times 9$
D. $9 \times (0 + 10) = (9 \times 0) + (9 \times 10)$

Answers

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

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