Determine which choice best shows the identity property of multiplication.

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

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

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

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

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

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

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

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

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

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

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

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

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

Answers

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

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