Finding Identity Property of Multiplication

Name:

Determine which choice best shows the identity property of multiplication.

1) A. 10 × 8 = 8 × 10
B. 10 × (8 + 1) = (10 × 8) + (10 × 1)
C. 1 × 10 = 10
D. 10 × (8 × 1) = (10 × 8) × 1

2) A. (2 × 1) × 6 = 2 × (1 × 6)
B. (2 × 1) + (2 × 6) = 2 × (1 + 6)
C. 2 × 1 = 2
D. 2 × 1 = 1 × 2

3) A. 8 × 0 = 0 × 8
B. 8 × 1 = 8
C. (8 × 0) + (8 × 1) = 8 × (0 + 1)
D. (8 × 0) × 1 = 8 × (0 × 1)

4) A. 9 × 1 = 9
B. (9 × 10) + (9 × 3) = 9 × (10 + 3)
C. (9 × 10) × 3 = 9 × (10 × 3)
D. 9 × 10 = 10 × 9

5) A. 0 × (10 × 3) = (0 × 10) × 3
B. 0 × 10 = 10 × 0
C. 0 × (10 + 3) = (0 × 10) + (0 × 3)
D. 1 × 0 = 0

6) A. 1 × 2 = 2
B. 2 × (5 × 6) = (2 × 5) × 6
C. 2 × (5 + 6) = (2 × 5) + (2 × 6)
D. 2 × 5 = 5 × 2

7) A. (0 × 5) × 1 = 0 × (5 × 1)
B. 0 × 5 = 5 × 0
C. (0 × 5) + (0 × 1) = 0 × (5 + 1)
D. 0 × 1 = 0

8) A. 9 × 0 = 0 × 9
B. 9 × (0 × 4) = (9 × 0) × 4
C. 9 × (0 + 4) = (9 × 0) + (9 × 4)
D. 1 × 9 = 9

9) A. 2 × 1 = 2
B. 2 × 9 = 9 × 2
C. (2 × 9) + (2 × 7) = 2 × (9 + 7)
D. (2 × 9) × 7 = 2 × (9 × 7)

10) A. 9 × 7 = 7 × 9
B. 9 × 1 = 9
C. (9 × 7) + (9 × 6) = 9 × (7 + 6)
D. (9 × 7) × 6 = 9 × (7 × 6)

11) A. (8 × 7) × 0 = 8 × (7 × 0)
B. 8 × 1 = 8
C. (8 × 7) + (8 × 0) = 8 × (7 + 0)
D. 8 × 7 = 7 × 8

12) A. 4 × 8 = 8 × 4
B. (4 × 8) + (4 × 9) = 4 × (8 + 9)
C. 4 × 1 = 4
D. (4 × 8) × 9 = 4 × (8 × 9)

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								

Finding Identity Property of Multiplication Name: **Answer Key**

Determine which choice best shows the identity property of multiplication.

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

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

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

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

5) A. $0 \times (10 \times 3) = (0 \times 10) \times 3$
B. $0 \times 10 = 10 \times 0$
C. $0 \times (10 + 3) = (0 \times 10) + (0 \times 3)$
D. $1 \times 0 = 0$

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

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

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

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

10) A. $9 \times 7 = 7 \times 9$
B. $9 \times 1 = 9$
C. $(9 \times 7) + (9 \times 6) = 9 \times (7 + 6)$
D. $(9 \times 7) \times 6 = 9 \times (7 \times 6)$

11) A. $(8 \times 7) \times 0 = 8 \times (7 \times 0)$
B. $8 \times 1 = 8$
C. $(8 \times 7) + (8 \times 0) = 8 \times (7 + 0)$
D. $8 \times 7 = 7 \times 8$

12) A. $4 \times 8 = 8 \times 4$
B. $(4 \times 8) + (4 \times 9) = 4 \times (8 + 9)$
C. $4 \times 1 = 4$
D. $(4 \times 8) \times 9 = 4 \times (8 \times 9)$

Answers

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

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