Finding Distributive Property of Multiplication

Name:

Determine which choice best shows the distributive property of multiplication.

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

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

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

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

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

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

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

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

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

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

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

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

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								

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

Determine which choice best shows the distributive property of multiplication.

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

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

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

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

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

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

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

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

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

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

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

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

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								