Finding Distributive Property of Multiplication

Name:

Determine which choice best shows the distributive property of multiplication.

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

2) A. $(8 \times 4) \times 7 = 8 \times (4 \times 7)$
B. $8 \times 4 = 4 \times 8$
C. $8 \times 1 = 8$
D. $(8 \times 4) + (8 \times 7) = 8 \times (4 + 7)$

3) A. $8 \times 5 = 5 \times 8$
B. $1 \times 8 = 8$
C. $8 \times (5 + 4) = (8 \times 5) + (8 \times 4)$
D. $8 \times (5 \times 4) = (8 \times 5) \times 4$

4) A. $10 \times 9 = 9 \times 10$
B. $10 \times (9 \times 5) = (10 \times 9) \times 5$
C. $10 \times (9 + 5) = (10 \times 9) + (10 \times 5)$
D. $1 \times 10 = 10$

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

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

7) A. $(2 \times 9) + (2 \times 5) = 2 \times (9 + 5)$
B. $2 \times 9 = 9 \times 2$
C. $(2 \times 9) \times 5 = 2 \times (9 \times 5)$
D. $2 \times 1 = 2$

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

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

10) A. $5 \times (2 + 3) = (5 \times 2) + (5 \times 3)$
B. $5 \times (2 \times 3) = (5 \times 2) \times 3$
C. $5 \times 2 = 2 \times 5$
D. $1 \times 5 = 5$

11) A. $4 \times 1 = 4$
B. $(4 \times 6) \times 8 = 4 \times (6 \times 8)$
C. $4 \times 6 = 6 \times 4$
D. $(4 \times 6) + (4 \times 8) = 4 \times (6 + 8)$

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

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

2) A. $(8 \times 4) \times 7 = 8 \times (4 \times 7)$
B. $8 \times 4 = 4 \times 8$
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3) A. $8 \times 5 = 5 \times 8$
B. $1 \times 8 = 8$
C. $8 \times (5 + 4) = (8 \times 5) + (8 \times 4)$
D. $8 \times (5 \times 4) = (8 \times 5) \times 4$

4) A. $10 \times 9 = 9 \times 10$
B. $10 \times (9 \times 5) = (10 \times 9) \times 5$
C. $10 \times (9 + 5) = (10 \times 9) + (10 \times 5)$
D. $1 \times 10 = 10$

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

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

7) A. $(2 \times 9) + (2 \times 5) = 2 \times (9 + 5)$
B. $2 \times 9 = 9 \times 2$
C. $(2 \times 9) \times 5 = 2 \times (9 \times 5)$
D. $2 \times 1 = 2$

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

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

10) A. $5 \times (2 + 3) = (5 \times 2) + (5 \times 3)$
B. $5 \times (2 \times 3) = (5 \times 2) \times 3$
C. $5 \times 2 = 2 \times 5$
D. $1 \times 5 = 5$

11) A. $4 \times 1 = 4$
B. $(4 \times 6) \times 8 = 4 \times (6 \times 8)$
C. $4 \times 6 = 6 \times 4$
D. $(4 \times 6) + (4 \times 8) = 4 \times (6 + 8)$

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

Answers

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

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