Finding Commutative Property of Multiplication

Name:

Determine which choice best shows the commutative property of multiplication.

1) A. $4 \times (9 \times 6) = (4 \times 9) \times 6$
B. $4 \times (9 + 6) = (4 \times 9) + (4 \times 6)$
C. $1 \times 4 = 4$
D. $4 \times 9 = 9 \times 4$

2) A. $(0 \times 6) \times 4 = 0 \times (6 \times 4)$
B. $0 \times 1 = 0$
C. $(0 \times 6) + (0 \times 4) = 0 \times (6 + 4)$
D. $0 \times 6 = 6 \times 0$

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

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

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

6) A. $(4 \times 0) + (4 \times 6) = 4 \times (0 + 6)$
B. $4 \times 0 = 0 \times 4$
C. $(4 \times 0) \times 6 = 4 \times (0 \times 6)$
D. $4 \times 1 = 4$

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

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

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

10) A. $2 \times (6 + 9) = (2 \times 6) + (2 \times 9)$
B. $2 \times 6 = 6 \times 2$
C. $1 \times 2 = 2$
D. $2 \times (6 \times 9) = (2 \times 6) \times 9$

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

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

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 Commutative Property of Multiplication Name: **Answer Key**

Determine which choice best shows the commutative property of multiplication.

1) A. $4 \times (9 \times 6) = (4 \times 9) \times 6$
B. $4 \times (9 + 6) = (4 \times 9) + (4 \times 6)$
C. $1 \times 4 = 4$
D. $4 \times 9 = 9 \times 4$

2) A. $(0 \times 6) \times 4 = 0 \times (6 \times 4)$
B. $0 \times 1 = 0$
C. $(0 \times 6) + (0 \times 4) = 0 \times (6 + 4)$
D. $0 \times 6 = 6 \times 0$

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

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

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

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B. $4 \times 0 = 0 \times 4$
C. $(4 \times 0) \times 6 = 4 \times (0 \times 6)$
D. $4 \times 1 = 4$

7) A. $(1 \times 9) + (1 \times 8) = 1 \times (9 + 8)$
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C. $(1 \times 9) \times 8 = 1 \times (9 \times 8)$
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8) A. $5 \times (10 + 0) = (5 \times 10) + (5 \times 0)$
B. $1 \times 5 = 5$
C. $5 \times (10 \times 0) = (5 \times 10) \times 0$
D. $5 \times 10 = 10 \times 5$

9) A. $1 \times 3 = 3$
B. $3 \times (1 + 2) = (3 \times 1) + (3 \times 2)$
C. $3 \times 1 = 1 \times 3$
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10) A. $2 \times (6 + 9) = (2 \times 6) + (2 \times 9)$
B. $2 \times 6 = 6 \times 2$
C. $1 \times 2 = 2$
D. $2 \times (6 \times 9) = (2 \times 6) \times 9$

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

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

Answers

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

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