

Associative, Commutative, & Distributive Property

- ❖ Commutative → Numbers swap places (order changes).
- ❖ Associative → Brackets (grouping) move.
- ❖ Distributive → Multiplication breaks into parts with addition inside parentheses.

1. $7 + 9 = 9 + 7$

Commutative Associative Distributive

2. $(3 + 4) + 5 = 3 + (4 + 5)$

Commutative Associative Distributive

3. $8 \times 6 = 6 \times 8$

Commutative Associative Distributive

4. $(2 \times 3) \times 4 = 2 \times (3 \times 4)$

Commutative Associative Distributive

5. $5 \times (2 + 7) = (5 \times 2) + (5 \times 7)$

Commutative Associative Distributive

6. $12 + 15 = 15 + 12$

Commutative Associative Distributive

7. $(6 + 8) + 2 = 6 + (8 + 2)$

Commutative Associative Distributive

8. $4 \times (9 + 3) = (4 \times 9) + (4 \times 3)$

Commutative Associative Distributive

9. $9 \times 11 = 11 \times 9$

Commutative Associative Distributive

10. $(5 \times 6) \times 2 = 5 \times (6 \times 2)$

Commutative Associative Distributive

11. $14 + 20 = 20 + 14$

Commutative Associative Distributive

12. $(7 + 2) + 9 = 7 + (2 + 9)$

Commutative Associative Distributive

13. $10 \times (3 + 8) = (10 \times 3) + (10 \times 8)$

Commutative Associative Distributive

14. $15 \times 12 = 12 \times 15$

Commutative Associative Distributive

15. $(4 \times 5) \times 7 = 4 \times (5 \times 7)$

Commutative Associative Distributive

16. $(2 + 9) + 6 = 2 + (9 + 6)$

Commutative Associative Distributive

17. $6 \times (7 + 4) = (6 \times 7) + (6 \times 4)$

Commutative Associative Distributive

18. $13 + 25 = 25 + 13$

Commutative Associative Distributive

19. $(8 \times 2) \times 3 = 8 \times (2 \times 3)$

Commutative Associative Distributive

20. $7 \times (5 + 6) = (7 \times 5) + (7 \times 6)$

Commutative Associative Distributive

Identity Property

1. $632 \times 1 =$

3. $55 \times 1 =$

2. $1 \times 7347823 =$

4. $8 \times 1 =$

Multiplication by 10, 100, 1000

1. $632 \times 1000 =$

3. $55 \times 100 =$

2. $10 \times 7347823 =$

4. $8 \times 100000 =$