

## Properties of Addition

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Which of the given equations show the commutative property of addition?

1.   $7 + 0 = 7$

$9 = 5 + 4$

$3 + 4 = 4 + 3$

$1 + (4 + 2) = (1 + 4) + 2$

2.   $7 + 0 = 7$

$9 = 5 + 4$

$3 + 5 = 5 + 3$

$1 + (4 + 2) = (1 + 4) + 2$

3.   $10 + 0 = 10$

$6 + 4 = 4 + 6$

$10 = 6 + 4$

$1 + (4 + 6) = (1 + 4) + 6$

4.   $7 + 0 = 7$

$9 = 5 + 4$

$1 + (6 + 2) = (1 + 6) + 2$

$7 + 2 = 2 + 7$

5.   $11 + 0 = 11$

$7 + 4 = 4 + 7$

$11 = 8 + 3$

$1 + (4 + 6) = (1 + 4) + 6$

6.   $7 + 0 = 7$

$6 + 5 = 5 + 6$

$9 = 5 + 4$

$1 + (4 + 2) = (1 + 4) + 2$

Which of the given equations show the associative property of addition?

7.   $9 + 3 = 3 + 9$

$9 + 0 = 9$

$9 + (3 + 7) = (9 + 3) + 7$

$9 + 1 = 10$

8.   $9 + 3 = 3 + 9$

$9 + (5 + 7) = (9 + 5) + 7$

$9 + 0 = 9$

$9 + 1 = 10$

9.   $4 + (3 + 7) = (4 + 3) + 7$   
  $9 + 0 = 9$   
  $9 + 3 = 3 + 9$   
  $9 + 1 = 10$

10.   $9 + 3 = 3 + 9$   
  $9 + 0 = 9$   
  $2 + (3 + 7) = (2 + 3) + 7$   
  $9 + 1 = 10$

**Identify the property of addition used in the given equation.**

11.  $2 + 4 = 4 + 2$

- Associative Property  
 Commutative Property  
 Identity Property

12.  $2 + 3 = 3 + 2$

- Associative Property  
 Commutative Property  
 Identity Property

13.  $5 + 4 = 4 + 5$

- Associative Property  
 Commutative Property  
 Identity Property

14.  $2 + 5 = 5 + 2$

- Associative Property  
 Commutative Property  
 Identity Property

15.  $4 + 1 = 1 + 4$

- Associative Property  
 Commutative Property  
 Identity Property