# Addition Properties

You will complete each number sentence. Tell which property or rule you used.

## Zero Property

1. \(12 + 0 = 12\)

When you add zero to a number, the sum is that number.

## Commutative Property

2. \(23 + 45 = 68\)
3. \(45 + 23 = 68\)

When you change the order of the addends, the sum stays the same.

## Associative Property

4. \((6 + 7) + 15 = 28\)
5. \(6 + (7 + 15) = 28\)

When you change the way the addends are grouped, the sum stays the same. The problem in parentheses is done first.

6. \(814 - 814 = \_\_\_\_
7. \(5 + (3 + 7) = (\_\_\_\_ + 3) + 7\)

## Writing Math

How could you group the addends to find the sum of \(54 + 26 + 19\)? What is the sum?

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**CA Standards**

KEY NS 3.1, AF 1.0