Name _____

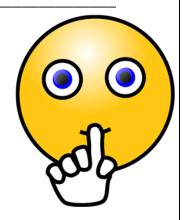
Explain the Grouping

1. Compute both sides (Addition)

a)
$$(4 + 5) + 3 =$$

c)
$$(6+9)+5=$$

What do you notice about all three?



2. Compute both sides (Multiplication)

a)
$$(3 \times 2) \times 5 =$$

b)
$$(4 \times 5) \times 6 =$$
 $4 \times (5 \times 6) =$

c)
$$(2 \times 3) \times 9 =$$
 $2 \times (3 \times 9) =$

$$2 \times (3 \times 9) =$$

What pattern do you see?

3. Fill in the missing number to make each equation true.

c)
$$(9+2)+4=9+(\underline{}+4)$$

Answer: _____

4. Add parentheses to make each equation show the associative property.