

Name: Class:

Add integers using counters

1. Use counters to add $(-8) + (+5) =$

2. Use counters to add $(-3) + (-3) =$

3. Use counters to add $(+9) + (-4) =$

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Add integers using counters

1. Use counters to add $(-8) + (+5) =$
let us take a circle with a minus sign inside for the negative counters
also take a circle with a positive sign for positive counters

$$(-8) = \text{(-) (-) (-) (-) (-) (-) (-) (-)}$$

$$(+5) = \text{(+)(+)(+)(+)(+)}$$

cross out each positive counter from each negative counter.

$$(-8) = \text{(-) (-) (-) (-) (-) (-) (-) (-)}$$

$$(+5) = \text{(+)(+)(+)(+)(+)}$$

we have three negative counters left

$$\text{Therefore, } (-8) + 5 = -3$$

2. Use counters to add $(-3) + (-3) =$

$$\text{(-) (-) (-) + (-) (-) (-)}$$

add negatives and negatives counters

there are six negatives

$$\text{Therefore, } (-3) + (-3) = -6$$

3. Use counters to add $(+9) + (-4) =$

$$(+9) = \text{(+)(+)(+)(+)(+)(+)(+)(+)(+)}$$

$$(-4) = \text{(-) (-) (-) (-)}$$

cross out each positive counter from each negative counter.

$$(+9) = \text{(+)(+)(+)(+)(+)(+)(+)(+)(+)}$$

$$(-4) = \text{(-) (-) (-) (-)}$$

we have three positives counters left

$$\text{Therefore, } (+9) + (-4) = 5$$