9.23.2011 Adding Integers

Do Now: See Note from 9.12.2011 for order of operations (PEMDAS)

$2 + 4 \cdot 3 - 4 \div 2$

$2 + 12 - 2$ Multiply and Divide (left to right)

$14 - 2 = 12$ Add and Subtract (left to right)

Put a decimal between the 2 and 3. Then, write the number.

2345678

2.345678 two and three hundred forty five thousand six hundred seventy eight millionths

Notes

Integer

- Positive or Negative
- Includes 0
- Whole Numbers

Absolute Value

- Distance from zero
- The number without its sign
- Always positive

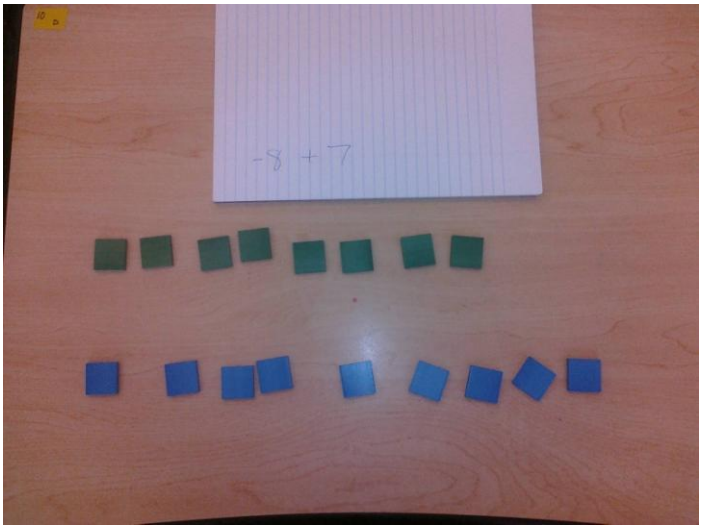
Greatest in Absolute Value

- Furthest from zero
- Largest number ignoring sign

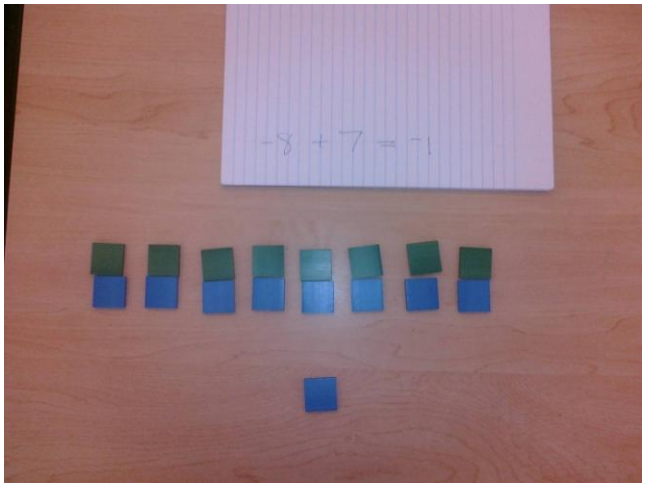
Adding Integers with Chips

- Blue Chips are Positive
- Green Chips are Negative
- A Blue Chip and a Green Chip sum to Zero
- Sum is what is left after removing all Zero Sum Pairs

Adding Integers (-8 +7)



Adding Integers (-8 +7)



Problems:

-35 + 14 = -21

-6 + -8 = -14

8 + -11 = -3

Rules for Adding Integers: