Name/Nombre: _____ Date/Fecha: _____

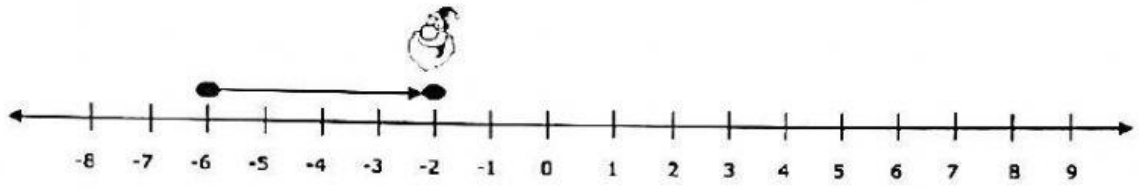
FCTG

Subtracting Integers

* Modeling subtracting integers on a number line
  - ❖ Step 1: Plot Beginning location.
  - ❖ Step 2: Make face to look at the LEFT.
  - ❖ Step 3: Move _____ OR _____.

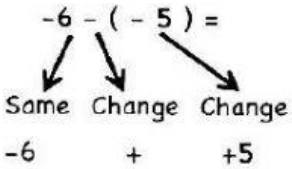
Example: modeling -6-(-4) on a number line

- Step 1: Locate −6 on the number line for a man's beginning location.
- Step 2: Subtraction sign (−) means the man has his face to look at the left.
- Step 3: −4 is negative so he walks BACKWARD by 4 units. That is, count 4 units to the right of −4, which is −2.



* Rule of subtracting integers: "Same/Change/Change (SCC)"
  - ❖ Step 1: the first number stays the same,
  - ❖ Step 2: change subtraction (-) to addition (+)
  - ❖ Step 3: change the sign of the second number:
    - Positive changes to negative
    - Negative changes to positive.
  - ❖ Once you have applied this rule, follow the rules for adding integers.

Example: Use the rule to find the sum.



LIVEWORKSHEETS

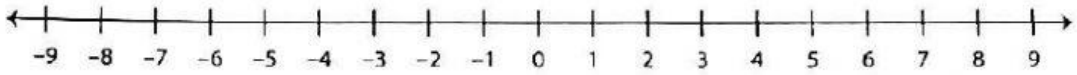
Name/Nombre: _____ Date/Fecha: _____

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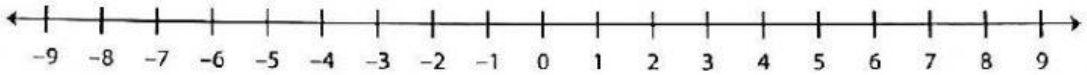
DO NOW!

1. Use number line to find the sum.

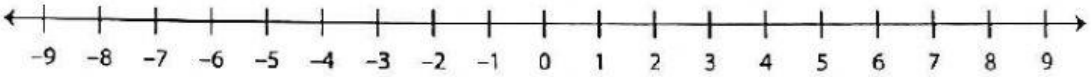
(1) 1-10 = _____



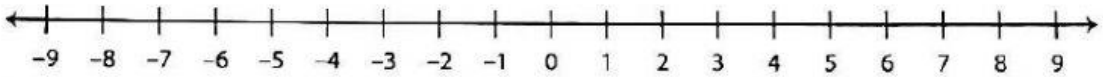
(2) 0-(-7) = _____



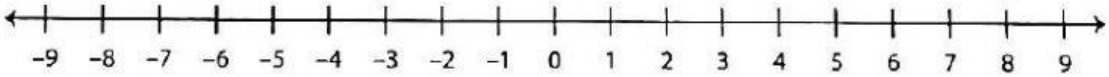
(3) -6-2 = _____



(4) -8-(-3) = _____



(5) 2-(-4) = _____



2. Use the rule of subtracting integers to find the difference.

(1) -13-(-5)= _____ (2) -9-16= _____ (3) 7-(-11)= _____

(4) (-18)-14= _____ (5) -10-(-10)= _____ (6) 15-2= _____

(7) 8-(-12)= _____ (8) -20-9= _____ (9) -8-(-14)= _____

(10) 5-19= _____ (11) 18-(-4)= _____ (12) -16-10= _____

LIVEWORKSHEETS