Name/Nombre: _____ Date/Fecha: _____

FCTG

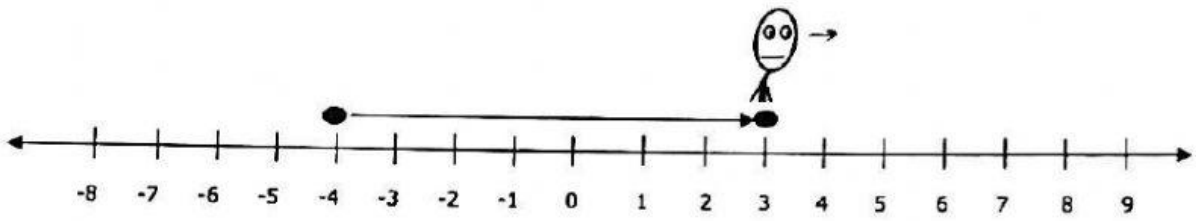
Adding integers

* Modeling adding integers on number lines

- Step 1: Plot Beginning location.
- Step 2: Make face to look at the RIGHT.
- Step 3: Move _____ OR _____.

Example: Modeling **−4 + 7** on a number line

- Step 1: Locate −4 on the number line for a man's beginning location.
- Step 2: Addition sign (+) means the man has his face to look at the right.
- Step 3: Since 7 is positive then he walks FORWARD by 7 units. That is, count 7 units to the right of −4, which is 3.



* Rules of adding Integers

- Rule 1: If the signs of numbers are the same, ADD the absolute value of the numbers and keep the same sign.

  Example: (1) 4+5 = 9 (2) -4 +(-5) =

- Rule 2: If the signs are different, SUBTRACT the absolute value of the numbers and take the sign of the number with bigger absolute value.

  Example: (1) -4+5= (2) 4+(-5)=

LIVEWORKSHEETS

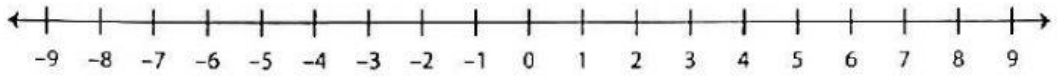
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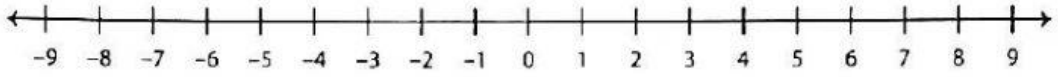
DO NOW!

1. Use number line to find the sum.

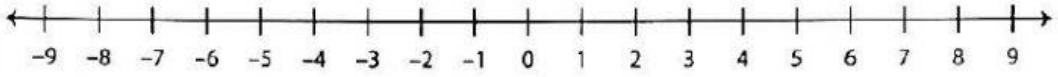
(1) 4+(-5) = _____



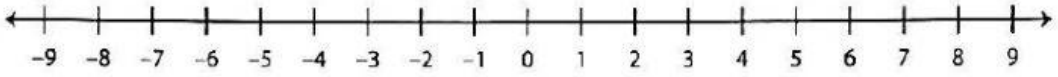
(2) -7+2 = _____



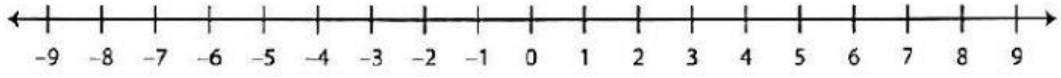
(3) -3+ (-4) = _____



(4) 3+ (-11) = _____



(5) -5+(-6) = _____



2. Use the rule of adding integers to find the sum.

(1) 17+(-19)= _____ (2) -11+4= _____ (3) -7+(-10)= _____

(4) 4+(-16)= _____ (5) (-12)+14= _____ (6) 15+9= _____

(7) -12+14= _____ (8) -18+(-5)= _____ (9) -20+11= _____

(10) 13+(-9)= _____ (11) -8+16= _____ (12) (-1)+(-14)= _____

LIVEWORKSHEETS