Mixed Up Operations

Learning Goal:

By the end of this lesson I should be able to EVALUATE mixed addition and subtraction problems WITHOUT the use of a calculator (technology).

Feb 3-1:54 PM

SUM -> ADD -> Total

(Similar meaning)

Difference -> Subtract -> Take Away

EVALUATE - find the number answer

(can involve both adding and subtracting)

Feb 3-2:02 PM

Big Ideas!!!!

Subtracting a positive number gives the same result as *adding a negative* number.

9 - 5 is the same as 9 + (-5)

Subtracting a negative number gives the same result as *adding a positive* number.

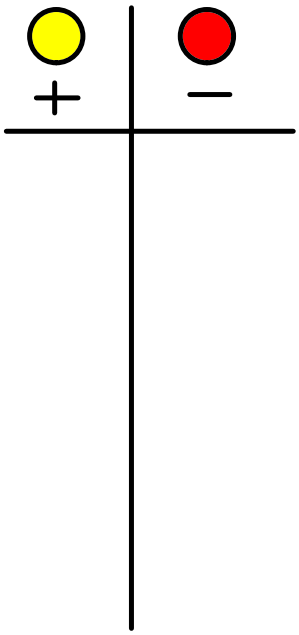
5 - (-3) is the same as 5 + 3

Feb 2-11:43 PM

Evaluate the following:

(-13) - 14

(thirteen negative chips, take away fourteen positive chips)



Number Model

(-13) - 14

Big Idea

= (-13) + (-14)

= (-10) + (-3) + (-10) + (-4)

= (-20) + (-7)

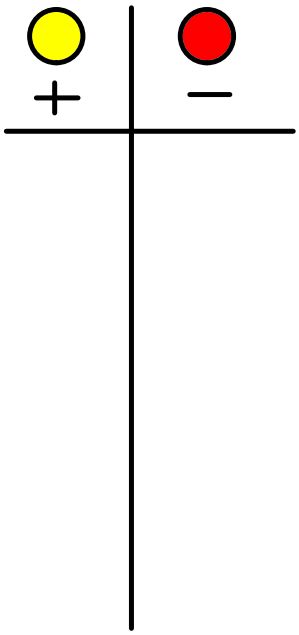
= (-27)

Feb 1-12:42 PM

Evaluate the following:

$$24 - (-11) + (-7)$$

(twenty-four positive chips, take away eleven negative chips), plus seven negative chips



Number Model

$$24 - (-11) + (-7)$$

Big Idea

$$= 24 + 11 + (-7)$$

$$= 20 + 4 + 10 + 1 + (-7)$$

$$= 30 + 5 + (-5) + (-2)$$

$$= 30 + (-2)$$

$$= 28$$

Feb 1-12:42 PM

Press PAUSE on the video and try the following

Evaluate the following:

1. $4 - (-6) + 2$ $= 12$
2. $(-12) - (-3) + 18$ $= 9$
3. $26 - (-10) - (-8)$ $= 44$
4. $(-45) + (-13) - (-9)$ $= -49$

Feb 17-10:30 AM

Task - 1.8

Feb 5-10:12 AM

Attachments

Math - task1 - add-sub integers.doc