Integers

Positive and negative whole numbers and zero(… -3, -2, -1, 0,1, 2, 3 …)Adding and Subtracting Integers

1) Change subtracting to adding the opposite. SMATO Subtract MeansAdd The Opposite 7 and -7 are opposites-5 and 5 are opposites -3 – (-5) becomes -3 + (+5) 7 – 11 becomes 7 + -11(or think of the subtraction sign being a negative on the 11) 2) Decide whether the answer will be positive, negative or zero, and write it down! If the numbers are opposites (4 + -4, -8 + 8, 10 + -10), then the answer is zero. The larger number’s sign rules.Positive Answer Negative Answer-7 + 13 7 + -139 + -5 -9 + 54 + 4
If the signs are the same, find the sum. Ignore the signs and add the numbers. -11 + -5= -16 2 + 8= 10 -13
the signs are different, find the difference. Ignore the signs and do big minus little. -5 + 12= 7 -9 + 5 = -4
16 = -10

Multiplying and Dividing Integers 1) Decide whether the answer will be positive, negative, or zero, and write it down. ----------ZeroIf one of the factors is zero, the whole answer is zero.(45)(-64)(0)(2)= 0 If you try to divide by zero, there is no solution.(-82)/0= no solution 3/0= no solution---------- Count the number of negatives. An even number of negatives gives a positive answer.(-3)(-2)(-1)(2)(-3)= + answer (because there are 4 negatives)(5)(-2)(-3)= + answer (because there are 2 negatives) An odd number of negatives gives a negative answer.(-5)(6)= - answer because there is one negative(3)(-7)(-1)(-2)= - answer because there are 3 negatives ---------- 2) Ignore the signs, and multiply and divide the numbers. (-3)(-2)(-1)(2)(-3)= 36 (-5)(6)= -30 (5)(-2)(-3)= 30 (3)(-7)(-1)(-2)= -42 Looking for a tutor in Santa Cruz,Capitola, or Scotts Valley, California? Please check my "current openings" page to see if I am accepting new students.