Rules for Integers
2009

ADDITION
If both integers have the same sign = add them together
"good guys + good guys" or "bad guys + bad guys"

Ex.   5 + 9 = 14   -24 + -5 = -29

If signs are different = subtract and take the sign of the bigger number.
"good guys FIGHT with bad guys"

Ex.   -5 + 9 = 4   -24 + 5 = -19
        (good guys win 9 vs. 5)   (bad guys win 24 vs. 5)
        Answer is positive   answer is negative

SUBTRACTION
Add the opposite:
1. Turn the subtraction sign into an addition sign
2. Take the opposite of the second number
3. Follow rules of addition

Ex.   -4 – 8 turns into -4 + -8 = -12

        10 – (-9) turns into 10 + 9 = 19

MULTIPLICATION and DIVISION (same rules)

If signs are the same = answer is POSITIVE

Ex.   4 ● 7 = 28   -8(-5) = 40

If signs are different = answer is NEGATIVE

Ex.   -4(7) = 28   8 ● -5 = -40