(integers) with adding, subtracting, multiplying and dividing.

Here's How:

1. **Adding Rules:** SAME SIGN SUM (if they have the same sign, add the #'s together)
   DIFFERENT SIGN DIFFERENCE (if different signs, find difference of #'s)

SAME SIGN: 5 + 4 = 9
(- 7) + (- 2) = - 9

DIFFERENT SIGN: Sum of a negative and a positive number:

Think Subtraction then use the sign of the larger #

(- 7) + 4 = -3
6 + (-9) = - 3
(- 3) + 7 = 4
5 + (-3) = 2

2. **Subtracting Rules:** ***REMEMBER: SAME CHANGE OPPOSITE***

Keep first number the same, Change operation to addition, then change the second number to its Opposite value

(- 5) - 3 = -5 + (-3) = -8
5 - (-3) = 5 + 3 = 8

(Change double negatives to a positive)
(-5) - (-3) = (-5) + 3 = -2
(-3) - (-5) = (-3) + 5 = 2

3. **Multiplying & Dividing Rules:** (two negatives cancel out to a positive)

Positive x Positive = Positive:	3 x 2 = 6	12 ÷ 3 = 4
Negative x Negative = Positive:	(-2) x (-8) = 16	(-12) ÷ (-3) = 4
Negative x Positive = Negative:	(-3) x 4 = -12	(-12) ÷ 3 = -4
Positive x Negative = Negative:	3 x (-4) = -12	12 ÷ (-3) = -4

Adding

Same signs:

- add the absolute value
- keep the common sign

Different signs:

- subtract the absolute value
- keep the sign of the number with the greatest absolute value

Subtracting

Change all problems to addition.

- add the opposite