MathFLIX CHALLENGE
Integer Computation-Rules (Algorithms)

Read the flow chart on the right. Add your own examples to show you understand the idea. Now use the flow chart to help solve the problems below.

**Addition**

Same signs
Action: add
Sign: given sign

Examples:

+5 + +10 = ___  
+5 + +10 = ___  

-5 + -10 = ___  
-5 + +10 = ___  

+5 + +50 = ___  
-12 + +2 = ___  

-5 + -40 = ___  
+12 + -2 = ___  

Different signs
Action: subtract
Sign: use sign from highest number

Examples:

+5 + -6 = -1  
-5 + +6 = +1  

Your examples:

___  
___  

___  
___  

**Subtraction**

Action: Rewrite problem as addition of the opposite.

Examples:

-5 - -6 = ___  
-5 + +6 = ___  

-5 + -6 = ___  
-5 + +6 = ___  

Your examples:

___  
___  

___  
___  

**Multiplication or Division**

Same signs
Action: multiply or divide
Sign: positive (+)

Examples:

+4 × +2 = +8  
-4 × -2 = +8  

+8 + +4 = +2  
-8 + -4 = +2  

Your examples:

___  
___  

Different signs
Action: multiply or divide
Sign: negative (-)

Examples:

+4 × -2 = -8  
-4 × +2 = -8  

+8 + -4 = -2  
-8 + +4 = -2  

Your examples:

___  
___  

___  
___  

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