Gaining Math Momentum

Issues with Integers? Self-Help Guide!

Adding Integers

There are a number of methods used to teach operations with integers and eventually operations with all real numbers from movement on the number line to memorizing specific rules. A more visual approach has been presented here, using students' understanding that being "in the red" indicates an amount owed and being "in the black" indicates a positive amount available for use, the preferred bottom line in business. Based on these concepts, a black chip or circle will represent +1 and a red chip or circle will represent -1.



Manipulatives such as checkers can easily be used to mirror the processes presented. Using this visual approach, it is possible to determine the sum without memorizing rules.



Note that +1 and -1 are opposites or additive inverses. Adding +1 to -1 produces zero, so a black chip and red chip cancel each other.



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Adding Integers (continued)



Begin to visualize these positive and negative numbers without producing the actual picture. Note that adding two positives always produces a positive number and adding two negatives always produces a negative number. However adding a positive and a negative (or a negative and a positive) can produce a positive, a negative or zero.

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