

## Add and Subtract Integers

Grade Level	7
Subject	Math
Curriculum Objective	Objective 1.02-Develop fluency in addition, subtraction, multiplication and division of rational numbers.
Guiding Question	How do I add and subtract integers?
Lesson Summary	Students will use an interactive number line to see how addition and subtraction of integers work by using the “Number line Basic” interactive tool.
Activating Strategy	Activate student’s prior knowledge by reviewing how to add, subtract, multiply and divide non-negative numbers. Review counters and number lines used to visualize operations in nonnegative numbers.
Cognitive Strategy	Students need to have a very clear understanding of a number line and what a negative integer means. Begin with manipulatives for understanding. Use the “Number line Basic” to practice the addition and subtraction of integers on a number line.
Summarizing Strategy	Assess student learning through oral and written observations, class discussions and quizzes.
Evaluation	Online Quiz Glencoe Textbook <a href="http://www.glencoe.com/sec/math/studytools">www.glencoe.com/sec/math/studytools</a>
Resources	<a href="http://Math.glencoe.com">Math.glencoe.com</a> <a href="http://www.mste.uiuc.edu">www.mste.uiuc.edu</a>
Credits	Susan Bunch 7 <sup>th</sup> grade Math Southeastern Stokes Middle School