



making a plan, carrying out the plan, and evaluating the solution for reasonableness;

(C) select or develop an appropriate problem-solving strategy from a variety of different types, including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a simpler problem, or working backwards to solve a problem;

**(8.7)** Geometry and spatial reasoning. The student uses geometry to model and describe

The student is expected to:

(C) use pictures or models to demonstrate the Pythagorean Theorem; and

(D) locate and name points on a coordinate plane using ordered pairs of rational numbers.

**(8.9)** Measurement. The student uses indirect measurement to solve problems.

The student is expected to:

(A) use the Pythagorean Theorem to solve real-life problems

**(8.12)** Probability and statistics. The student uses statistical procedures to describe data. The student is expected to:

(A) select and use an appropriate representation for presenting and displaying relationships among collected data, including line plots, line graphs, stem and leaf plots, circle graphs, bar graphs, box and whisker plots, histograms, and Venn diagrams, with and without the use of technology.

**(8.15)** Underlying processes and mathematical tools. The student communicates about Grade 8 mathematics through informal and mathematical language, representations, and models.

The student is expected to:

(A) communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models;

>>7.1A/B compare and order integers and rational numbers

>>7.2C use models to compare/order rational numbers

Language of Instruction:	Instructional Resources/Textbook Correlations:
<p>Ch 1:            Absolute value            Additive inverse            Algebra            Algebraic expression            Coordinate            Counterexample            Define a variable            Equation            Evaluate            Inequality            Integer            Inverse operation            Negative number            Numerical expression            Opposites            Order of operations            Powers            Solution            Solve            Variable            Ch 2:            Bar notation            Base</p>	<p><u>Glencoe</u>: Ch 1 Algebra : Integers            Ch 2: Algebra: Rational Numbers            Ch 3: Real Numbers and Pythagorean Theorem            I Have/ Who Has? Whole numbers; integers            Algebra tiles – “zero pairs”            Dinah Zike Foldables – Vocabulary list            Compare/Order rational magnet numbers on board            Bingo – integers            Algebra – Crazy Quilt I (ch1)            Algebra – Crazy Quilt II (ch2)            Exponent Dominoes (ch3)            Matching – Equations/words            Matching –Equations/answers</p> <hr/> <p><b>Weblinks/Other Resources:</b>            Quia.com - integer review</p>
<p><b>Evaluation/External Assessment/Local Assessment:</b></p>	<p><b>Best Instruction Timeline:</b></p>
<p>Quizzes, Chapter 1, 2, 3 TESTS, t-made assessments</p>	<p>Ch 1: 12 days            Ch2: 9 days            Ch 3: 8 days</p>