CONNEAUT AREA SCHOOL DISTRICT MATHEMATICS—Module 2		
UNIT OF STUDY: Rational Numbers	**COURSE/GRADE:** Grade 7	**# WEEKS:** 25 days
Focus (emphasis) Standards/EC **CC.2.1.7.E.1** Apply and extend previous understandings of operations with fractions to operations with rational numbers… **M07.A-N.1.1.1** Apply properties of operations to add and subtract rational numbers, including real-world contexts. **M07.A-N.1.1.2** Represent addition and subtraction on a horizontal or vertical number line. **M07.A-N.1.1.3** Apply properties of operations to multiply and divide rational numbers, including real-world contexts; demonstrate that the decimal form of a rational number terminates or eventually repeats.		**Technology/manipulatives** Calculators, Smartboard, Study Island, rulers, white boards, highlighters, colored pencils
Important (reinforced) Standards/EC **CC.2.1.6.E.1** Apply and extend previous understandings of multiplication and division to divide fractions by fractions. **CC.2.1.6.E.2** Identify and choose appropriate processes to compute fluently with multi-digit numbers. **CC.2.1.6.E.3** Develop and/or apply number theory concepts to find common factors and multiples. **CC.2.1.6.E.4** Apply and extend previous understandings of numbers to the system of rational numbers.		**Reading, writing, speaking strategies** Journaling, read aloud, persuasive/informational/expository writing, graphic organizers, Frayer model, lecture, cooperative learning, board work, demonstration, Think-Pair-Share, note-taking, crossword puzzles
Vocabulary Bar notation, common denominator, LCD, like fractions, rational numbers, repeating decimal, terminating decimal, unlike fractions, absolute		**Questioning and discussion techniques** Bellringers, Exit tickets, discovery, small/large groups, peer tutoring, games, homework review, dry erase boards

value, additive inverse, graph, integer, negative integer, opposites, positive integer, zero pair	
Real life application Not limited to: weather, oceanography, sports, money management	**Performance assessment** Test, Quiz, Performance Task, Homework, Projects, Notebooks, Study Island
Computation Operations involving real numbers	**Accommodations/adaptations** Differentiation strategies, small group instruction, cooperative learning, guided practice, peer tutoring, limited problems/choices
SAS Module Resources www.pdesas.org: *Grade 7 Mathematics Assessment Anchors and Eligible Content *Mathematics Glossary *PA Core Mathematics, Grades PreK-12 *PA Standards Instructional Frameworks: Math (Go to Teacher Tools then Curriculum Mapping) *Math Cluster Matrix – Tri-folds 6-7-8	