

CONNEAUT AREA SCHOOL DISTRICT MATHEMATICS—Module 4		
UNIT OF STUDY: Percent and Proportional Relationships	COURSE/GRADE: Grade 7	# WEEKS: 10 days
Focus (emphasis) Standards/EC <u>CC.2.1.7.D.1</u> Analyze proportional relationships and use them to model and solve real-world and mathematical problems... M07.A-R.1.1.6 Use proportional relationships to solve multi-step ratio and percent problems. Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease.	Technology/manipulatives Calculators, Smartboard, Study Island, rulers, white boards, highlighters, colored pencils	
Important (reinforced) Standards/EC <u>CC.2.1.7.E.1</u> Apply and extend previous understandings of operations with fractions to operations with 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 percent increase, percent decrease, simple interest, principal, percent proportion/equation, discount, gratuity/tip, markdown, markup, percent error, percent of change, percent proportion, sales tax, selling price	Questioning and discussion techniques Bellringers, Exit tickets, discovery, small/large groups, peer tutoring, games, homework review, dry erase boards	
Real life application discount, markups, gratuity/tips, sales tax, selling price	Performance assessment Test, Quiz, Performance Task, Homework, Projects, Notebooks, Study Island	

<p>Computation</p> <p>Operations involving real numbers</p>	<p>Accommodations/adaptations</p> <p>Differentiation strategies, small group instruction, cooperative learning, guided practice, peer tutoring, limited problems/choices, manipulatives and models, clarity checks, diagrams and graphs</p>
<p>SAS Module Resources</p> <p>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</p>	