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| **Grade Level** 9th – Foundations of Algebra | **Teacher/Room**: LPAYNE/BTIPPENS 181 Week of: MARCH 14-18 |
| **Unit Vocabulary: SEE ATTACHED** |
| **Instructional Strategies Used:** direct instruction, independent study, interactive instruction |
| **Day 1** | **Day 2** | **Day 3** | **Day 4** | **Day 5** |
| **Common Core Standard(s)**:**MFAAA1****MFAAA2** | **Common Core Standard(s)**:**MFAAA1****MFAAA2** | **Common Core Standard(s)**: **MFAPR2. Students will recognize and represent proportional relationships between quantities.** | **Common Core Standard(s)**: **MFAPR2. Students will recognize and represent proportional relationships between quantities.** | **Common Core Standard(s)**: MFAPR.1 MFAPR.2  |
| **EQ Question:**How can I apply the Pythagorean Theorem to find the hypotenuse of a right triangle given the two legs? | **EQ Question:**Can I apply the standards of Module 2 | **EQ Question:**What happens to the value of a fraction when the numerator and denominator are multiplied or divided by the same number? 2.How are equivalent fractions related?  | **EQ Question:**What happens to the value of a fraction when the numerator and denominator are multiplied or divided by the same number? 2.How are equivalent fractions related?  | **EQ Question:**How can a unit rate be used to answer questions in a problem? 2. How can I determine which unit rate will be most useful in solving a problem? 3.How can tables and equations be useful when answering questions about proportional relationships?  |
| **Mini Lesson:** Number talk**Activating Strategies:**Perfect square and Perfect cubes**Lesson:** Applications of the Pythagorean Theorem**Resource/Materials:**Task, worksheet, table of squares and cubes, Review | **Mini Lesson:** Number talks**Activating Strategies:**ReviewLesson: Module 2 TEST**Resource/Materials:**Calculator, tiles, test | **Mini Lesson:** Number talks**Activating Strategies:**Multiple numbersLesson: Equivalent Fractions**Resource/Materials:**Calculators, WS, Charts | **Mini Lesson:** Number talks**Activating Strategies:**Equivalent fractionsLesson: Find equivalent Ratios**Resource/Materials:**Calculators, WS, Charts,  | **Mini Lesson:** Number talks**Activating Strategies:**Finding unit rateLesson: What is unit rate**Resource/Materials:**Calculator, WS, Charts, |
| **Differentiation:***Content/Process/Product: usatestprep**Grouping Strategy:none**Assessment:* | **Differentiation:***Content/Process/Product: usatestprep**Grouping Strategy: think-pair-share**Assessment:TOD* | **Differentiation:***Content/Process/Product: usatestprep**Grouping Strategy: Think-pair-share**Assessment:TOD* | **Differentiation:***Content/Process/Product: usatestprep**Grouping Strategy: none**AssessmentTOD* | **Differentiation:***Content/Process/Product: usatestprep**Grouping Strategy:none**Assessment:TOD* |
| **Assessment : formative, WS****TOD** | **Assessment: Summative, post- test****Formative-Pre-test** | **Assessment:*****Pre/Post-test*** | **Assessment:****Pre/post-test** | **Assessment:****Pre/post-test** |
| **Homework:** WS, Task Applications of the Pythagorean Theorem | **Homework:** none | **Homework:** Equivalent Fractions | **Homework:**  Equivalent Ratios and Real world problems | **Homework:**What is unit rate task and WS |

Resources and Reflective Notes:

MODULE 2 VOCABULARY - Arithmetic to Algebra MODULE 3 VOCABULARY- PROPORTIONAL REASONING

Equivalent expressions

Equivalent ratios

Proportional relationship

 Unit rate

 Slope

Distributive property

Algebraic expression

Numeric expression

Area Model

Commutative Property

Associative Property

Identity Properties

Inverse Operations

Variable

Formula

Square Number

Square Root

Pythagorean Theorem

Hypotenuse

Cubic Number

Cube Root

Rational Number

Irrational Number

Exponent