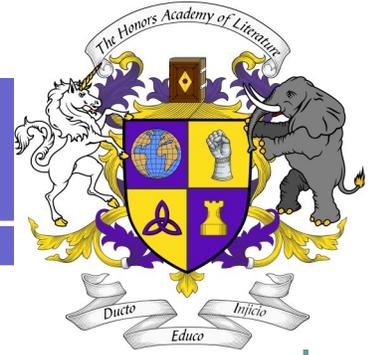


AUGUST 11—AUGUST 15

MS. AUDREY— MATH

HONORS ACADEMY OF LITERATURE



Common Core State Standards

CCSS.MATH.CONTENT.8.EE.A.1

Know and apply the properties of integer exponents to generate equivalent numerical expressions. For example, $3^2 \times 3^{-5} = 3^{-3} = 1/3^3 = 1/27$

CCSS.MATH.CONTENT.8.EE.A.2

Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that $\sqrt{2}$ is irrational.

CCSS.MATH.CONTENT.7.EE.A.1

Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.

CCSS.MATH.CONTENT.6.NS.B.4

Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1-100 with a common factor as a multiple of a sum of two whole numbers with no common factor. For example, express $36 + 8$ as $4(9 + 2)$.

Objectives and Validation

- Objective: Group 1: Given a set of numbers, students will be able to determine and least common multiple and greatest common factor.
Measure: classwork, homework, and unit test,
- Objective: Group 2: Students will begin to explore the rules of exponents, including positive, negative, and fractional exponents.
Measure: Homework, classwork and student-designed assessment.
- Objective: Group 3: Students will serve as mentors to the rest of the class until their text books arrive.
Measure: teacher observation.

In-class Graded Assignments

- Classwork related to lessons

Homework Graded Assignments

- Complete homework menu and worksheets related to classwork.

Mini-Lesson Topics

Computer programming
Khan Academy
Book preview
Rules of exponents
Explaining math thinking
Team building
Math games
Common factors and multiples

* See your child's Developmental Education Plan for one-on-one and small group instruction