Grade **3**
Family Letter

Dear Family,

Welcome to **Reveal Math!** We are excited to be a part of your child's math journey this school year. In designing **Reveal Math**, we set as a goal to help students see math not just as a series of computations and procedures, but as a way of visualizing and communicating about their worlds and solving problems in the world. A second goal was to help students realize that being proficient doers of mathematics does not require speed with operations, but creativity, thoughtfulness, and flexibility. We are excited to share our enthusiasm for math with you and your child.

Reveal Math offers visually engaging print components and robust and interactive digital components. You can experience the digital course with your child by logging in to **my.mheducation.com** and entering your child's username and password.

Your login information

Username: _____

Password: _____

Math @ Home Activity

What can your child do at home?

Help your child see math in everyday events and activities, such as setting a table for a shared meal, cooking, shopping, or outdoor activities. Provide opportunities for your child to build proficiency with the key concepts they will be learning this year.

What Will Students Learn This Year?

Multiplication and division

The major focus of students' math learning in Grade 3 shifts to multiplication and division. Students will:

- learn different meanings of multiplication – as equal groups and arrays – and division – as equal sharing and partitioning;

- develop proficiency with multiplication facts within 100;

- begin to develop proficiency with division facts, often relating division facts to the known multiplication facts;

- solve problems involving multiplication and division.

Fractions

A second major focus of students' math learning is fractions. Students will:

- understand that a fraction is a kind of number that represents equal parts of a whole;

- represent fractions using fraction models or on a number line;

- generate fractions that are equivalent to a given fraction;

- compare fractions with the same denominator or the same numerator.

Geometric measurement: area and perimeter

Students will:

- understand that perimeter is a linear measurement, found by adding the side lengths of a 2-dimensional figure;

- understand that area is a square measurement found by multiplying two dimensions of a 2-dimensional figure: length and width;

- solve problems involving area and perimter.

Reasoning about geometric shapes

Students will:

- categorize two-dimensional figures by attributes, such as number of sides;

- understand that share attributes help to define categories of two-dimensional figures;

- draw shapes with specific defining attributes, such as number of sides.