

Grade 4 Family Letter

Reveal
MATH[®]

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: _____



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 is multiplication and division. Students will:

- learn another meaning of multiplication, as a comparison;
- multiply multidigit numbers by 1-digit number and two 2-digit numbers;
- divide up to 4-digit dividends by 1-digit divisors;
- solve multistep problems involving multiplication and division.

Fractions

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

- compare fractions with different numerators and different denominators;
- add and subtract fractions with like denominators;
- solve problems involving addition and subtraction of fractions;
- multiply fractions by whole numbers;
- use decimal notation for fractions with denominators of 10 or 100;
- compare decimal fractions.

Geometric measurement: angles

Students will:

- understand that angles are geometric figures;
- measure angles using a protractor and draw angles of a given measure;
- solve addition and subtraction problems to find the measure of an angle.

Reasoning about geometric shapes

Students will:

- classify two-dimensional figures based on the presence or absence of parallel and perpendicular lines;
- understand line symmetry;
- draw lines of symmetry.