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| **Unit** | **Topics of Study** |
| **The Number System – Factors and Multiples** | Common Factors and Multiples |
| **The Number System –** **Arithmetic Operations** | Operations with Whole Numbers, Decimals and Fractions |
| **The Number System – Rational Numbers** | Rational Numbers on a Number Line |
| **Ratios and Proportional Relationships** | Ratios and Unit Rate |
| **Expressions and Equations** | Algebraic Expressions, Equations and Inequalities |
| **Statistics** | Statistics and Data Analysis |
| **Geometry** | Area, Volume, & Surface Area |



**Graph Notebooks**

All students will keep a graph notebook to document their

learning throughout the school year. This “learning log” will be used to complete daily warm-ups, class work, homework, notes, and reflections. Graph notebooks will be checked periodically.

 **What is a Learning Goal?**

 A Learning Goal is a group of “I Can”

 Statements based on Ohio’s Learning

 Standards for sixth grade mathematics,

 which will guide daily instruction.

 (Ex: I can find all of the factors of a whole number)

 **Mission Statement**

We will guide students to become self-directed, confident problem-solvers who have an appreciation for mathematics and its role in their everyday lives. We will utilize engaging and relevant activities to help all of our students reach their mathematical potential.

**6th Grade Math Units**

Mrs. Jeanne Assing Schroeder Mrs. Tricia Potts

jassingschroeder@mayfieldschools.org [tpotts@mayfieldschools.org](https://email.mayfieldschools.org/owa/redir.aspx?C=a6c43f4f1de149f78267ac4e1e37cb3b&URL=mailto%3atpotts%40mayfieldschools.org)

Mrs. Kristy Mayer Miss Carly Vinborg

kmayer@mayfieldschools.org cvinborg@mayfieldschools.org

**Meet the 6th Grade Math Teachers**

Welcome to 6th Grade Math!

*Formative assessments* will be given regularly to inform instruction and monitor progress on students’ learning goals. Multiple opportunities will be provided for students to show deepened understanding.

*Summative assessments* will be given regularly to assess understanding of learning goals at a particular time during the unit. Summative assessments will be scored with a percentage.

##  Assessments

**Welcome to 6th Grade Math!**

##  Homework as Practice

## Mathematical Practices

Students will develop an understanding of important mathematical ideas by solving problems and reflecting on the mathematics involved by applying the Standards for Mathematical Practices as listed below.

* Make sense of problems and persevere in solving them.
* Reason abstractly and quantitatively.
* Construct viable arguments and critique the reasoning of others.
* Model with mathematics.
* Use appropriate tools strategically.
* Attend to precision.
* Look for and make use of structure.
* Look for and express regularity and repeated reasoning.

The purpose of homework is to practice and deepen your child’s understanding of specific learning goals. Students are expected to practice the material independently in order to master each learning goal. Homework will be worth 10% of a students’ final grade. It will be posted daily in the classroom and assigned most weeknights. Any late assignment must be completed and turned in by the following Monday in order to earn credit. Teachers will most often be available during advisories or interventions to answer questions and offer help.



**Vocabulary**

**Grading**

Please refer to the Mayfield City
 Schools assessment and grading

policy, found on the website, for

specific details regarding grading.

Grades are available for review in

Infinite Campus.

Vocabulary will be practiced in each unit to further

deepen understanding of new concepts. Look for a list of

vocabulary words on each unit guide. These will be defined

and kept in students’ binders as reference and practice

mathematics vocabulary throughout the school year.

**Moby Max** www.mobymax.com

Moby Max is an online resource designed to provide additional personalized practice to students based on the Ohio’s Learning Standards. Students will be expected to complete assignments throughout the year, both in and out of class. We ask parents to encourage their child to utilize this program at home.

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