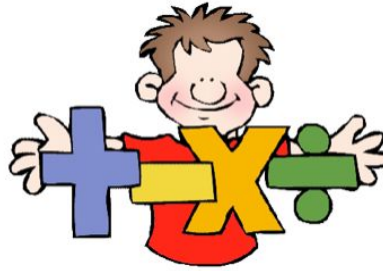


## Course Description

The 6th grade math curriculum will prepare students for the MCA III test in the spring of the school year. The focus of our curriculum will be working with positive rational numbers.

Students will become proficient converting between fractions, decimals and percents. Students will also master multiplying and dividing with decimals and with fractions. Students will use ratios and equivalent fractions throughout the year.

Other topics we will cover include: surface area and volume, using functions, graphs and tables, and calculating sample space.



## Text and Materials

Minnesota state standards for mathematics in grade 6 provide the outline for what is taught in this course. Students will be using iPads to access much of the material for this course.

The text for this course is Glencoe Math, Course 1 book and is used as a resource in the classroom. Textbooks may be sent home periodically for work completion.

A part of our curriculum this year will include journaling about math concepts. Students will use a composition notebook for notes and journaling. These will be kept in the classroom.

### Materials Needed:

Composition Notebook (kept in class)  
An organizational system that works for the individual student: possibilities are trapper keeper, folders, accordion file folders.

Pencils: many of them.

Notebook for paper to show work,

### Optional Materials:

Calculator  
Whiteboard Markers  
Crayons/Colored Pencils/Markers  
Hand-held Pencil Sharpener

## Math grade 6

Red Team:  
Mr. Zamzo  
Room 220

White Team:  
Mr. Bergman  
Room 222

Blue Team:  
Mr. Biggar  
Room 217

## Expectations

Your right to learn is very important. Your teacher will protect that right by making sure no one in the classroom keeps you from learning or keeps the instructor from teaching you. The following rules were established to help protect your rights and provide a safe learning environment:

**Attend**-be attentive to others while they are speaking. Participate.

**Achieve**-use your assignment notebook to keep track of assignments. Study.

**Behave**-come to class prepared. Respect your right to learn.

*Attend*

*Achieve*

*Behave*

DLMS Phone  
Number:

218-847-9228

6th Grade Math  
website:

<http://dlms6thgrademath.weebly.com/>

# DLMS 6th Grade Mathematics Syllabus

## Homework

There will be opportunities for students to complete homework.

\*The assigned homework must be completed by the **beginning** of each class period. **Work must be shown on all problems.** Correcting mistakes on homework is expected. Full credit will be given for correctly corrected problems. Corrections are due the next day.

\*Students will be expected to write their assignments in their assignment notebook each class period.

\*Parents will be notified if there are excessive late and/or incomplete assignments (three or more missing assignments may be reason for parent contact).

\*If students miss class with an excused absence or illness, they will be given one day for every day missed day, plus one more day to make-up class work. (Exceptions include students who take extended vacations and student athletes. In these cases, class work must be completed **ahead of time** if possible).

*Note: the school district policy states that teachers are not required to provide work ahead of time.*

## Retaking Tests

Any student may retake a test for a better grade. They will receive the higher of the grades. If a student's score is a 2 or lower, they are expected to retake that test. Before the retake, students will make corrections to the original test and go over corrections with a math teacher and then complete independent practice.

*\*No test retakes will be allowed the last week of a grading period.*

*\*Students and parents can check the homework calendar on the math webpage for assignments, upcoming assessments, on-line help and other information.*

## Grading

Student achievement with the MN state mathematics standards for 6th grade will be measured by the following proficiency scale:

- 4 = Exemplary
- 3 = Meets Standards
- 2 = Partially Meets Standards
- 1 = Does Not Meet Standards
- 0 = No Evidence

*\*\*This document is subject to changes as school policy changes\*\**

*"I hear and I forget.  
I see and I remember.  
I do and I understand."  
-- Chinese Proverb.*

**The following standards are going to be our focal points for the year:** Please feel free to learn more about each standard and give your child a jump start by working with the information in each standard.

<i><b>Trimester 1</b></i>	<i><b>Trimester 2</b></i>	<i><b>Trimester 3</b></i>
<p>MA.6.1 - Determine equivalences among fractions, decimals, and percents; select among these representations to solve problems</p> <p>MA.6.2 - Multiply and divide decimals using efficient and generalizable procedures, including standard algorithms.</p>	<p>MA.6.3 - Determine greatest common factors and least common multiples. Use common factors and common multiples to calculate with fractions and find equivalent fractions.</p> <p>MA.6.4 - Multiply and divide fractions using efficient and generalizable procedures, including standard algorithms</p> <p>MA.6.5 - Use reasoning about multiplication and division to solve ratio and rate problems</p>	<p>MA.6.6 - Apply the associative, commutative and distributive properties and order of operations to generate equivalent expressions and to solve problems involving positive rational numbers.</p> <p>MA.6.7 - Calculate the perimeter, area, surface area and volume of two- and three-dimensional figures to solve real-world and mathematical problems.</p> <p>MA.6.8 - Determine the sample space (set of possible outcomes) for a given experiment and determine which members of the sample space are related to certain events. Sample space may be determined by the use of tree diagrams, tables or pictorial representations.</p>