

Pre Algebra

Cove High School

Book: Go Math Middle School Grade 8

<https://my.hrw.com/dashboard/home>

Teacher: Erich Dressen

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Equipment/Supplies: Will be provided by the school.

Course Objective: Students will:

- Work with radicals and integer exponents.
- Understand the connections between proportional relationships, lines, and linear equations.
- Analyze and solve linear equations and pairs of simultaneous linear equations.
- Define, evaluate, and compare functions.
- Use functions to model relationships between quantities.
- Understand congruence and similarity using physical models, transparencies, or geometry software.
- Understand and apply the Pythagorean Theorem.
- Solve real-world and mathematical problems involving volume of cylinders, cones and spheres.

Common Core Alignment: Alignment of units to the Common Core is available upon request

Assignments: Students will be given 20-30 minutes in class to work on assignments. If they are not finished, the expectation is that it will be taken home as homework unless the teacher needs to continue the lesson the following class time.

Assignments are worth 5 points. Depending on the length of the chapter, this accounts for approximately 30% of the total grade.

Late work will be accepted but points will be deducted.

Communication / Organization: Cove School uses [synergy](#) so students and parents (with a password) can access their grades & assignments.

Quizzes: One will be given with each module and be worth 20 points. I do not allow retakes and makeups must be done as soon as possible.

Tests: A test will be given at the end of each module. Each test is worth 40 points. By the nature of the subject, most tests will be inclusive of content from previous chapters. I do not allow retakes and makeups must be done as soon as possible.

Extra Credit: Students are highly encouraged to do all extra credit. They are specific IXLs that are organized for each module. They must be completed to a 90% or better to count and must be finished before we reach the “Ready to Go” review at the end of each Module.

All of them are on this website. Make sure you are logged into IXL before you start or it will not record your score.

<https://www.ixl.com/math/skill-plans/go-math-2014-common-core-edition-8th-grade>

Grading: The course grading scale is as follows:

90 – 100%	A
80 – 89	B
70 – 79	C
60 – 69	D
Below 60%	F

Semester Grades: The semester grade is computed on the total points for the 2 terms together.

Attendance: While lack of attendance will not directly influence your grade, each topic builds rapidly on the one before and the lecture time is vital to understanding. If extended absence is anticipated, arrangements can be made, prior to being gone, to record class lecture for watching/ listening off-campus. Please contact me as soon as possible to make up assignments.

An excused absence does not mean an excused assignment.

Schedule is subject to change without notice

SEMESTER 1

First Term

Wk 1 (8/31-9/3)	Mod 1 Real World Numbers
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Wk 2 (9/8-9/10)	Mod 1 Real World Numbers
Wk 3 (9/14-9/17)	Mod 2 Exponents and Scientific Notation
Wk 4 (9/21-9/24)	Mod 2 Exponents and Scientific Notation
Wk 5 (9/28-10/1)	Mod 3 Proportional Relationships
Wk 6 (10/5-10/8)	Mod 3 Proportional Relationships
Wk 7 (10/12-10/15)	Mod 4 Nonproportional Relationships
Wk 8 (10/19-10/22)	Mod 4 Nonproportional Relationships
Wk 9 N/A	Work Samples

Second Term

Wk 10 (10/26-10/29)	Mod 5 Writing Linear Equations
Wk 11 (11/2-11/5)	Mod 5 Writing Linear Equations
Wk 12 (11/9-11/12)	Mod 5 Writing Linear Equations
Wk 13 (11/16-11/19)	Mod 6 Functions
Wk 14 (11/23-11/25)	Mod 6 Functions
Wk 15 (11/30-12/3)	Mod 6 Functions
Wk 16 (12/7-12/10)	Mod 7 Solving Linear Equations
Wk 17 (12/14-12/17)	Mod 7 Solving Linear Equations
Wk 18 (12/21-12/23)	Mod 7 Solving Linear Equations

SEMESTER 2

Third Term

Wk 1 (1/4-1/7)	Mod 8 Solving Systems of Linear Equations
Wk 2 (1/11-1/14)	Mod 8 Solving Systems of Linear Equations
Wk 3 (1/19-1/21)	Mod 8 Solving Systems of Linear Equations
Wk 4 (1/25-1/28)	Mod 9 Transformations and Congruence
Wk 5 (2/1-2/4)	Mod 9 Transformations and Congruence
Wk 6 (2/8-2/11)	Mod 9 Transformations and Congruence
Wk 7 (2/16-2/18)	Mod 10 Transformations and Similarity
Wk 8 (2/22-2/25)	Mod 10 Transformations and Similarity
Wk 9 (3/1-3/4)	Mod 11 Angle Relationships in Parallel Lines
Wk 10 (3/8-3/11)	Mod 11 Angle Relationships in Parallel Lines
Wk 11 (3/15-3/18)	Mod 12 The Pythagorean Theorem

Fourth Term

Wk 12 (3/29-4/1)	Mod 12 The Pythagorean Theorem
Wk 13 (4/5-4/8)	Mod 13 Volume
Wk 14 (4/12-4/15)	Mod 13 Volume
Wk 15 (4/19-4/22)	IXL Review
Wk 16 (4/26-4/29)	IXL Review
Wk 17 (5/3-5/6)	Three Act Math
Wk 18 (5/10-5/13)	Three Act Math
Wk 19 (5/17-5/20)	State Testing
Wk 20 (5/24-5/27)	State Testing

Distance Learning: If we have shifted from face-to-face to the online environment, there will be 24 hours to get ready (we will get you your chromebooks) and classes will resume as normal. For example if the decision is made to go online on Wednesday, we will use Thursday to get ready, and online classes will start on Monday. If we go online on Tuesday, supplies will get to you on Wednesday, and online classes will start on Thursday.

Class periods will follow the hourly schedule (1st period—8:00-9:00, 2nd period—9:00-10:00, 3rd period—10:00-11:00, 4th period—11:00-12:00, 5th period—12:30-1:30, 6th period—1:30-2:30, 7th period—2:30-3:30). You will be required to be present during the scheduled period that we meet. I will take attendance either through a Zoom meeting at the beginning of the period (most often), or through an email/chat exchange with you during that hour. If you are not in attendance, you will be counted absent. Check Google Classroom each day to find the link for the meeting and assignment for that day. Typically, I will begin with you in Zoom in order to do some teacher-led instruction before letting you work independently on the assignment(s) provided. The hope is to keep us as close to real-time, face-to-face as possible.