



Course Description

This course is foundational for grade seven students. Mathematics instruction will focus on mastery of these concepts: creating and analyzing graphs that represent statistical data; applying concepts of theoretical and experimental probabilities, drawing inferences about populations based on samples; solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; developing an understanding of the relationships between multiple representations of rational numbers; developing an understanding of and applying proportional relationships and functions; and applying the concepts of algebraic expressions and linear equations and inequalities. This course aligns with the [South Carolina College and Career-Ready Standards](#) and the *Mathematical Practice Standards* for Mathematics Grade 7

Resources

- + Savvas enVision Mathematics Grade 7
- + Other resources may include:
 - Prodigy
 - Desmos

Instructional Goals

- + To make sense of problems and persevere in solving them.
- + To reason both contextually and abstractly.
- + To use critical thinking skills to justify mathematical reasoning and critique the reasoning of others.
- + To connect mathematical ideas and real-world situations through modeling
- + To use a variety of mathematical tools effectively and strategically.
- + To communicate mathematically and approach mathematical situations with precision.
- + To identify and utilize structure and patterns.

1st Nine Weeks (Q1)

August 8 – October 10

2nd Nine Weeks (Q2)

October 11 – December 20

3rd Nine Weeks (Q3)

Jan 7 – March 18

4th Nine Weeks (Q4)

March 19 – May 29

Topic 1

Rational Number Operations

Topic 2

Analyze and Use Proportional Relationships

Topic 3

Analyze and Solve Percent Problems

Topic 4

Generate Equivalent Expressions

Topic 5

Solve Problems using Equations and Inequalities

Topic 6

Use Sampling to Draw Inferences about Populations

Topic 7

Probability

Topic 8

Solve Problems Involving Geometry

Grading

Grades will be decided by the student's everyday performance.
The following percentages will be used to calculate 9 weeks averages:
45% – Primary Assessments (Major: Tests, projects, etc.)
40% – Secondary Assessments (Minor: Quizzes, labs, centers, etc.)
15% – Practice: Homework, classwork, etc.

Midterm and final exams will count as 20% of their respective semester average.

Process for Posting Grades

- 5 school days for minor assignments, 10 school days for major or extended assignments

*Please note: Principals reserve the right to extend the number of days within the Process for Posting Grades due to circumstances that may arise.
Parents will be notified in a timely manner of any changes that may occur.*

During the 2025-2026 school year, School District Five of Lexington and Richland counties will continue the conversation about a district wide uniform grading practice. Until that is determined, Irmo Middle School will move to a macro grading system. This means that any missing work will initially receive a score of zero in PowerSchool. At the end of the quarter, if your student's total grade is below a 50, then his/her teacher will override the grade to a 50.

[District AI Policy](#)

South Carolina Uniform Grading Scale

A = 90-100
B = 80-89
C = 70-79
D = 60-69
F = Below 60