

7th Grade Remedial Math Syllabus

Falfurrias Junior School

2025–2026 School Year

Teacher: Orlando Garcia

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Course Description:

Welcome to 7th Grade Remedial Math! This class is designed to help students strengthen their basic math skills and build confidence in mathematics. We will review and reinforce key foundational skills needed for success in middle school math, including number sense, operations, fractions, decimals, ratios, geometry, and introductory algebra. Students will receive direct instruction, guided practice, and individualized support to help fill learning gaps and prepare for grade-level work.

Course Goals:

- Strengthen understanding of basic math operations and number sense.
- Develop problem-solving and reasoning skills.
- Build confidence in applying math to real-life situations.
- Prepare for success in grade-level math courses.

Units of Study:

1st Six Weeks

- Unit 1: Whole Numbers and Operations – Review addition, subtraction, multiplication, and division. Focus on solving multi-step word problems using these operations.
- Unit 2: Place Value and Rounding – Understand the value of digits and how to round whole numbers and decimals to estimate solutions.

2nd Six Weeks

- Unit 3: Fractions and Decimals – Learn to compare, add, subtract, multiply, and divide fractions and decimals through visual models and real-world examples.
- Unit 4: Integers and Rational Numbers – Explore positive and negative numbers on the number line and practice operations with integers.

3rd Six Weeks

- Unit 5: Ratios, Rates, and Proportions – Understand and solve problems involving ratios, unit rates, and proportional relationships.
- Unit 6: Percents – Learn to find percentages, discounts, taxes, and simple interest in real-world contexts.

4th Six Weeks

- Unit 7: Geometry Basics – Identify and classify two-dimensional shapes. Find perimeter, area, and volume of common geometric figures.
- Unit 8: Measurement and Data – Use rulers, protractors, and formulas to measure and compare geometric figures. Interpret and create simple graphs and charts.

5th Six Weeks

- Unit 9: Introduction to Algebra – Learn to write, simplify, and solve one-step and two-step equations using addition, subtraction, multiplication, and division.
- Unit 10: Inequalities and Graphing – Understand inequalities and represent them on a number line and coordinate plane.

6th Six Weeks

- Unit 11: Probability and Statistics – Explore mean, median, mode, and range. Learn basic probability through hands-on activities.
- Unit 12: Review and Cumulative Assessment – Review key math concepts and apply them in real-world problem-solving projects.

Grading Policy:

Grades will be based on participation, classwork, quizzes, and unit assessments. Improvement and effort are key components of student success. Students will also be evaluated on their ability to show work and explain their reasoning.

Classroom Expectations:

- Be respectful and kind to classmates and the teacher.
- Come prepared with all materials each day.
- Participate in class and stay engaged during activities.
- Always show your work and try your best.
- Ask for help when you need it — effort is more important than perfection!

Materials Needed:

- Math notebook or binder
- Pencils and erasers
- Ruler and protractor
- Calculator (basic or scientific)
- Graph paper
- Folder for handouts and homework

Note to Parents/Guardians:

Please check your student's folder or notebook daily for homework and important notices. Consistent practice and communication are essential to your student's success. If you have any questions or concerns, feel free to contact me by email at ogarcia@bcisd.us.