



New Course FACT Sheet 2024-2025

Course Title: Math 8/7

Teacher Contact Information:

Phone: 407-697-5176

Email: vanessa.batista@wearetherockofcf.org

- The best time to reach me is: Monday, Wednesday and Friday 9-3

****In case of an emergency please feel free to text me at anytime and I will get back to you as soon as I can****

Course Overview:

- This course is an introduction to numbers and fundamental math concepts that will help develop a good foundation for upper math.

Supplies lists are provided on the TRA Website.

Goals:

“The power of yet! I can’t do this....yet! I’m not good at this.....yet! I don’t understand this....yet! It doesn’t work....yet! This doesn’t make sense....yet!”

Math is a journey. My **heart** is for students to grab a hold of each math topic we learn, in the manner that they best learn. Visual tools, problem solving techniques and simply thinking outside of the box can be the difference between a child struggling with math forever or knowing that there is a way for them to make sense of the concept. **We will get there!**

The Successful Student:

- Is polite and have good manners at all times! (See the Code of Conduct)
- Keeps current with all assignments.
- Does all of their own work with honesty and integrity
- Asks questions and ask for help when they need it.
- Is ALWAYS be prepared for class, that includes course material, paper, and writing utensils.

The Successful Parent:

- Be aware of the current assignments for their students.
- Oversee the work at home making sure that students complete the assignments.
- Provide the materials the students need to be successful in this class.
- Proctor the Take-Home Tests, signing and sealing them to be returned to class
- Contact the teacher if there are any problems ASAP
- Check grades every week to see how their child is doing! This is IMPERATIVE. I do not put grades on student’s work; I post them to this site with notes, if needed.



New Course FACT Sheet 2024-2025

Homework Policy:

Take the homework seriously. Homework is used as a tool to sharpen the skills that you have learned during the week and constantly reminding you of the skills you will need to use as building blocks for new mathematical concepts.

- Your homework is expected to be submitted on time.
- Homework will NOT be accepted more than 2 weeks late.
- If unforeseen circumstances are communicated between the teacher and parents and makeup work will be coordinated accordingly.

Week-by-Week Overview

Semester I	Semester II
Week 1 Adding and subtracting whole #'s, properties of operation, missing #'s in add & sub	Week 19 Multiplying rates, ration word problems, average part 2
Week 2 Number line, place value, whole #'s, factors and divisibility.	Week 20 TEST NOTEBOOK CHK - subtracting mixed measures, negative exponents, scientific notation for small numbers, line symmetry; functions part 1
Week 3 Lines and angles, fractions and %, fraction and reciprocal	Week 21 Adding integers on a number line, fractional part of a number part 1, % of a number part 1, area of a parallelogram, angles of a parallelogram
Week 4 TEST NOTEBOOK CHK Mixed numbers; improper fractions; problems about combining and separating, comparing; elapsed time	Week 22 TEST Classifying triangles, symbols of inclusions, adding signed numbers
Week 5 Equal groups, parts of a whole, equivalent fractions, reducing fraction part 1	Week 23 TEST - Ration problems w/ totals, circumference and Pi, geometric solids
Week 6 TEST - Using a protractor, polygons; similar and congruent	Week 24 NOTEBOOK CHK Algebraic functions, more on scientific notation, volume, finding the whole if a fraction is known
Week 7 Perimeter, exponents, area, square roots, prime & composite numbers, prime factorization	Week 25 TEST - Implied ratios, multiplying and dividing signed numbers
Week 8 TEST NOTEBOOK CHK Fraction of a group problems, subtracting mixed numbers with regrouping, reducing fractions part 2	Week 26 Fractional part of a number part 2, area of a complex figure; area of a trapezoid, complex fractions
Week 9 Dividing fractions, must and div mixed #'s, multiples LCM	Week 27 TEST -Percent of a # part 2, graphing inequalities, insufficient info; quantitative comparisons
Week 10 TEST 2-step word problems, rounding and estimation, common denominator, add and sub fractions	Week 28 NOTEBOOK CHK Transformations, using proportions to solve percent problems, area of a circle
Week 11 Reading & writing decimal #'s, metric system, comparing decimals, rounding decimals	Week 29 Mult powers of 10; scientific notation, algebraic terms, order of operations



New Course FACT Sheet 2024-2025

Week 12 TEST NOTEBOOK CHK -Decimal #'s and # line, add sub multi div decimal numbers,	Week 30 TEST -number families, multiplying algebraic terms, multiple unit multipliers; converting units of area
Week 13 Ratio; simple probability, area of a triangle, interpreting graphs, proportions	Week 31 Diagonals; interior angles; exterior angles; mixed number coefficients negative coefficients
Week 14 TEST - Sum of all angles, measures of a triangle, angle pairs, using formulas; distributive property, repeating decimals	Week 32 TEST NOTEBOOK CHK - Evaluations w/ signed numbers (91 & 92), two-step equations and inequalities, compound probability
Week 15 Converting decimals, percents fractions	Week 33 Volume of a right solid, distributive property, similar triangles; indirect measurements
Week 16 TEST NOTEBOOK CHK -Division answers, dividing by a decimal #, unit price; rates; sales tax	Week 34 TEST - scale and scale factor, pythagorean Theorom, Pythagorean theorem worksheet
Week 17 Powers of 10, fraction-decimal percent equivalents, adding mixed measures	Week 35 Building equations, slope, graphing lines worksheet
Week 18 TEST -Unit multipliers and unit conversions, scientific notation for large #'s, Order of operation	Week 36 TEST NOTEBOOK CHK - graphing lines, equations, pythagorean theorem and graphing lines worksheet.

This schedule is an overview. TRA reserves the right to make changes during the school year.