

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
COURSE EXPECTATIONS

Mills Middle School
2020-2021
Math Course 3

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TEXTBOOK: Mills.MidSchoolMath.com **LOGIN:** Assigned in Class

Teacher Website: <https://www.fcusd.org/Domain/1218>

The Number System

- Know that there are numbers that are not rational, and approximate them by rational numbers.

Expressions and Equations

- Work with radicals and integer exponents.
- Understand the connection between proportional relationships, lines, and linear equations.
- Analyze and solve linear equations and pairs of simultaneous linear equations.

Functions

- Define, evaluate, and compare functions.
- Use functions to model relationships between quantities.

Geometry

- 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.

Statistics and Probability

- Investigate patterns of association in bivariate data.

Mathematical Practices

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

SOURCE: <http://www.cde.ca.gov/ci/ma/cf/documents/mathfwgrade8jl.pdf>