

SAIL Math Frameworks

By the end of grade 7, SAIL students should be able to:

- Demonstrate the ability to convert rational numbers to equivalent forms and to locate them on a number line.
- Solve, graph, and analyze linear using tables, graphs, and written rules.
- Identify, describe, and analyze patterns in numbers, shapes, and data.
- Collect, organize, and analyze data using surveys, tables, and graphs in order to make predictions or conjectures.
- Use counting techniques and theoretical probability to represent and solve problems.
- Use concepts of ratios and proportions in mathematical and real-world problems.
- Derive and use methods to measure area and perimeter of regular and irregular figures and volume of regular figures.
- Use systems of measurement to solve real-world problems.
- Apply the appropriate computational techniques to solve a variety of problems and determine the reasonableness of the results.
- Generate and solve problems of appropriate complexity created from real-world problems and communicate the reasoning behind the solution.