

SAIL Math Frameworks

By the end of 4th grade, SAIL students should be able to:

- Establish a firm understanding of place value, rounding, and estimation.
- Solve linear equations using manipulatives, and identify patterns and rules in order to solve real-world problems.
- Collect, organize, and analyze data (find mean, median, mode, and range), by creating graphs, tables, and charts.
- Apply formulas for perimeter, area, and volume; classify polygons, angles, and solid figures by their attributes; and label and construct coordinate graphs.
- Use appropriate tools to measure geometric figures in order to solve metric and standard problems.
- Master math facts and standard algorithms for the four basic operations. Use the appropriate algorithms to solve problems using fractions, percents, and decimals, and demonstrate basic understanding of order of operations.
- Apply various problem-solving techniques to solve multiple-step problems, and explain thought processes using appropriate math language, symbols, and illustrations.