

5th Grade - Math

4th Grade Math

As fifth grade is the culmination of the Singapore Math experience, students in this grade are expected to be competent with all four operations and to have a solid understanding of place value of whole numbers through 10 million. Once they are comfortable working with whole numbers, the focus shifts to developing facilities with numbers smaller than one, and by the end of the year, they should be able to perform all four operations with fractions and decimals. In terms of geometry, students further develop their understanding of shape through investigations of the characteristics of quadrilaterals and triangles, as well as a deep dive into area, perimeter, volume, and surface area. Throughout all content areas, students are expected to demonstrate perseverance and creativity as they wrestle with more sophisticated mathematics including multi-step word problems. Though students have been working with algebraic reasoning skills throughout elementary mathematics, particularly through the use of bar models, fifth grade is the first time that students are introduced to negative numbers and formal algebraic notation.

Chapter 1: Multi-Digit Whole Numbers

Chapter 2: The Four Operations with Whole Numbers

Chapter 3: Addition and Subtraction of Fractions Chapter

4: Multiplication and Division of Fractions Chapter 5: The

Four Operations of Fractions

Chapter 6: Decimals

Chapter 7: The Four Operations with Decimals

Chapter 8: Word Problems: Four Operations with Decimals Chapter

9: Volume

Chapter 10: Properties and Classification of 2D Shapes

Chapter 11: Line Plots and The Coordinate Plane Chapter

12: Number Patterns and Relationships

Geometry

Algebraic Expressions