

Singapore Math

Grade 5

Course Overview

Singapore Math is an effective mathematics program that builds strong foundations for higher level math learning. The course employs the Singapore Math approach, which includes Concrete-Abstract method, and many hands-on activities, that facilitates deep comprehension of mathematical concepts.

The course integrates visual aids and mental math, and it is ideal for developing critical thinking, computational skills, problem solving skills, and a strong mathematical foundation for the students.

Materials

Singapore Math Dimensions textbook and workbook

Curriculum

Chapter 9: Decimals

Thousandths; Place Value to Thousandths; Comparing Decimals; Rounding Decimals; Multiply Decimals by 10, 100, and 1,000; Divide Decimals by 10, 100, and 1,000; Conversion of Measures; Mental Calculation

Chapter 10: The Four Operations of Decimals

Adding Decimals to Thousandths; Subtracting Decimals; Multiplying by 0.1 or 0.01; Multiplying by a Decimal; Dividing by a Whole Number; Dividing by a Whole Number by 0.1 and 0.01; Dividing a Whole Number by a Decimal

Chapter 11: Geometry

Measuring Angles; Angles and Lines; Classifying Triangles; The Sum of the Angles in a Triangle; The Exterior Angle of a Triangle; Classifying Quadrilaterals; Angles of Quadrilaterals; Drawing Triangles and Quadrilaterals

Chapter 12: Data Analysis and Graphs

Average; Line Plots; Coordinate Graphs; Straight Line Graphs

Chapter 13: Ratio

Finding the Ratio; Equivalent Ratios; Finding a Quantity; Comparing Three Quantities; Word Problems

Chapter 14: Rate

Finding the Rate; Rate Problems; Word Problems

Chapter 15: Percentage

Meaning of Percentage; Expressing Percentages as Fractions; Percentages and Decimals; Expressing Fractions as Percentages; Percentage of a Quantity; Word Problems