

Grade 5 Overview

Place Value:

- Identify the value of a digit
- Write a number in standard, word, and expanded form
- Multiply and divide whole numbers and decimals by powers of ten and explain the shift in place value to the left/right
- Round and compare numbers

(Chapter 1)

Whole Number Operations:

- Understand the relationship between multiplication and division, and place value.
- Multiply and divide three-digit and four-digit numbers, using rounding to estimate the products and quotients
- Use the order of operations to determine the value of an expression

(Chapter 2)

Fractions:

- Identify fractions on a number line
- Compare and order fractions
- Analyze a line plot with fractional data
- Add and subtract fractions with like and unlike denominators using visual models
- Multiply fractions and mixed numbers
- Divide a fraction by a whole number and a whole number by a fraction using models

(Chapter 3 & 4)

Decimals:

- Compare and order decimals
- Add and subtract decimals
- Multiply and divide decimals
- Solve real world problems related to the computation of decimals

(Chapter 8 & 9)

Geometry/ Measurement and Data:

- Graph points on the coordinate plane
- Determine the volume of a rectangular prism
- Convert measurements in the metric and standard system
- Classify two-dimensional shapes

(Chapter 11, 13, & 14)

Grade 5 Scope & Sequence

Unit	Math in Focus Chapter	Standards
Unit 1: <i>Whole Number Place Value</i>	Chapter 1 (5A)	<p>5.NBT.1 - <i>Understand the place value system</i></p> <p>5.NBT.2 - <i>Explain patterns of zeros in the powers of ten</i></p>
Unit 2: <i>Decimal Place Value</i>	Chapter 8 (5B)	<p>5.NBT.1 - <i>Understand the place value system involving decimals</i></p> <p>5.NBT.2 - <i>Explain patterns of zeros in the powers of ten</i></p> <p>5.NBT.3 - <i>Read write and compare decimals to thousandths</i></p> <p>5.NBT.4 - <i>Round and compare decimal values</i></p>
Unit 3: <i>Whole Number Computation and Application</i>	Chapter 2 (5A)	<p>5.NBT.5 - <i>Multiplication of multi-digit whole numbers (up to four digit by two digit)</i></p> <p>5.NBT.6 - <i>Division of multi-digit whole numbers</i></p> <p>5.OA.1 - <i>Determine the value of an expression involving parentheses, brackets, and braces</i></p> <p>5.OA.2 - <i>Write and interpret numeric expressions</i></p>
Unit 4: <i>Fraction Understanding, Computation, and Applications: Addition & Subtraction</i>	Chapter 3 (5A)	<p>5.NF.1 - <i>Add and subtract fractions with unlike denominators</i></p> <p>5.NF.2 - <i>Solve real world problems related to the addition and subtraction of fractions</i></p> <p>5.NF.3 - <i>Interpret fractions as division of whole numbers using visual models</i></p> <p>5.MD.2 - <i>Interpret fractional data on a line plot</i></p>
Unit 5: <i>Fraction Computation and Application: Multiplication & Division</i>	Chapter 4 (5A)	<p>5.NF.4 - <i>Multiply a fraction by a whole number or fraction</i></p> <p>5.NF.5 - <i>Interpret multiplication of a fraction as scaling/resizing</i></p> <p>5.NF.6 - <i>Solve real world problems involving multiplication of fractions and mixed numbers</i></p> <p>5.NF.7 - <i>Divide unit fractions by whole numbers and whole numbers by unit fractions and solve real world problems related to the division of fractions</i></p> <p>5.MD.1 - <i>Convert measurements in the standard system in fraction form</i></p>
Unit 6: <i>Decimal Computation: Addition &</i>	Chapter 8 (5B)	<p>5.NBT.7 - <i>Add, subtract, multiply, and divide decimals to hundredths</i></p>

Subtraction of Decimals		
Unit 7: Decimal Computation and Application: Multiplication & Division	Chapter 9 (5B)	<p>5.NBT.2 - Explain patterns in zeros with powers of ten</p> <p>5.NBT.7 - Add, subtract, multiply, and divide decimals to hundredths</p> <p>5.MD.1 - Convert measurements in the metric system (decimal form)</p>
Unit 8: Understanding and Solving Problems Related to Volume	*Chapter 14 (5B) 14.1, 14.2, 14.6, 14.7	<p>5.MD.3 - Recognize and understand volume as an attribute of solid figures</p> <p>5.MD.4 - Measure volume by counting unit cubes</p> <p>5.MD.5 - Solve real world problems related to volume of three-dimensional figures</p>
Unit 9: 2-Dimensional Geometry	*Chapter 13 (5B) 13.1/ 13.5 *Chapter 11 11.3/ 11.4	<p>5.G.3 - Understand the properties of two-dimensional shapes</p> <p>5.G.4 - Classify two-dimensional figures into a hierarchy</p> <p>5.G.1 - Understand graphs in quadrant 1 of the coordinate plane</p> <p>5.G.2 - Represent problems by graphing in quadrant 1 of coordinate plane</p> <p>5.OA.3 - Generate numeric patterns from rules and graph the points on a coordinate plane</p>

Major Standard

Supporting Standard

Additional Standard