

CURRICULUM OVERVIEW

SPARK Mathematics Grade 5



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Unit 1: Using Symbols (5.OA.1)**Assignments**

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|---|--|
| 1. Pre-Test: Using Symbols (5.OA.1)* | 3. Post-Test: Using Symbols (5.OA.1) |
| 2. Evaluating Expressions by Symbols (5.OA.1) | 4. Following the Order of Operations (5.OA.1)* |

Unit 2: Writing Simple Expressions (5.OA.2)**Assignments**

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|---|---|
| 1. Pre-Test: Writing Simple Expressions (5.OA.2)* | 3. Post-Test: Writing Simple Expressions (5.OA.2) |
| 2. Writing Numerical Expressions (5.OA.2) | 4. Interpreting Numerical Expressions (5.OA.2)* |

Unit 3: Using Rules to Generate Patterns (5.OA.3)**Assignments**

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|--|---|
| 1. Pre-Test: Using Rules to Generate Patterns (5.OA.3)* | 3. Post-Test: Using Rules to Generate Patterns (5.OA.3) |
| 2. Writing Numerical Patterns Using Given Rules (5.OA.3) | 4. Forming Ordered Pairs (5.OA.3)* |

Unit 4: Identifying Place Value (5.NBT.1)**Assignments**

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|---|---|
| 1. Pre-Test: Identifying Place Value (5.NBT.1)* | 3. Post-Test: Identifying Place Value (5.NBT.1) |
| 2. Identifying the Place Value of a Digit in a Multi-Digit Number (5.NBT.1) | 4. Describing the Value of a Digit (5.NBT.1)* |

Unit 5: Explaining Patterns (5.NBT.2)**Assignments**

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|--|---|
| 1. Pre-Test: Explaining Patterns (5.NBT.2)* | 3. Post-Test: Explaining Patterns (5.NBT.2) |
| 2. Using Patterns to Multiply and Divide (5.NBT.2) | 4. Using Whole Number Exponents (5.NBT.2)* |

Unit 6: Reading, Writing, and Comparing Decimals (5.NBT.3)**Assignments**

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|--|--|
| 1. Pre-Test: Reading, Writing, and Comparing Decimals (5.NBT.3)* | 3. Post-Test: Reading, Writing, and Comparing Decimals (5.NBT.3) |
| 2. Reading and Writing Decimals (5.NBT.3) | 4. Comparing Decimals Using Symbols (5.NBT.3)* |

Unit 7: Using Place Value Understanding (5.NBT.4)**Assignments**

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|---|---|
| 1. Pre-Test: Using Place Value Understanding (5.NBT.4)* | 3. Post-Test: Using Place Value Understanding (5.NBT.4) |
| 2. Rounding Decimals to Any Place (5.NBT.4) | 4. Applying Place Value to Real-World Situations (5.NBT.4)* |

Unit 8: Multiplying Multi-Digit Whole Numbers (5.NBT.5)**Assignments**

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|---|---|
| 1. Pre-Test: Multiplying Multi-Digit Whole Numbers (5.NBT.5)* | 3. Post-Test: Multiplying Multi-Digit Whole Numbers (5.NBT.5) |
| 2. Using the Standard Algorithm to Calculate Products (5.NBT.5) | 4. Multiplying to Solve Real-World Problems (5.NBT.5)* |

Unit 9: Finding Whole-Number Quotients (5.NBT.6)**Assignments**

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|--|--|
| 1. Pre-Test: Finding Whole-Number Quotients (5.NBT.6)* | 3. Post-Test: Finding Whole-Number Quotients (5.NBT.6) |
| 2. Illustrating and Explaining the Division of Whole Numbers (5.NBT.6) | 4. Dividing to Solve Real-World Problems (5.NBT.6)* |

Unit 10: Applying All Four Operations on Decimals (5.NBT.7)**Assignments**

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|---|--|
| 1. Pre-Test: Applying All Four Operations on Decimals (5.NBT.7)* | 3. Post-Test: Applying All Four Operations on Decimals (5.NBT.7) |
| 2. Showing Understanding through Strategies, Models, and Drawings (5.NBT.7) | 4. Applying All Four Operations on Decimals to Hundredths (5.NBT.7)* |

Unit 11: Add and Subtract Fractions With Unlike Denominators (5.NF.1)**Assignments**

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|--|--|
| 1. Pre-Test: Add and Subtract Fractions with Unlike Denominators (5.NF.1)* | 3. Post-Test: Add and Subtract Fractions with Unlike Denominators (5.NF.1) |
| 2. Writing Fractions in the Simplest Form (5.NF.1) | 4. Adding and Subtracting Fractions and Mixed Numbers (5.NF.1)* |

Unit 12: Solving Word Problems Involving Adding and Subtracting Fractions (5.NF.2)**Assignments**

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|---|---|
| 1. Pre-Test: Solving Word Problems Involving Adding and Subtracting Fractions (5.NF.2)* | 3. Post-Test: Solving Word Problems Involving Adding and Subtracting Fractions (5.NF.2) |
| 2. Assessing the Reasonableness of the Answer (5.NF.2) | 4. Using Equations to Represent Word Problems (5.NF.2)* |

Unit 13: Interpreting a Fraction (5.NF.3)**Assignments**

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|---|--|
| 1. Pre-Test: Interpreting a Fraction (5.NF.3)* | 3. Post-Test: Interpreting a Fraction (5.NF.3) |
| 2. Interpreting a Fraction as Division of the Numerator by the Denominator (5.NF.3) | 4. Writing Solutions as Fractions or Mixed Numbers (5.NF.3)* |

Unit 14: Extending Understandings of Multiplication (5.NF.4)**Assignments**

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|---|---|
| 1. Pre-Test: Extending Understandings of Multiplication (5.NF.4)* | 3. Post-Test: Extending Understandings of Multiplication (5.NF.4) |
| 2. Multiplying by a Fraction (5.NF.4) | 4. Finding the Area of a Rectangle with Fractional Side Lengths (5.NF.4)* |

Unit 15: Looking at the Value of a Product and Its Factors (5.NF.5)**Assignments**

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| 1. Pre-Test: Looking at the Value of a Product and Its Factors (5.NF.5)* | 3. Post-Test: Looking at the Value of a Product and Its Factors (5.NF.5) |
| 2. Explaining Why a Product is Affected by the Value of Its Factors (5.NF.5) | 4. Relating Fraction Equivalence (5.NF.5)* |

Unit 16: Solving Real-World Problems Through Math Operations (5.NF.6)**Assignments**

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|--|---|
| 1. Pre-Test: Solving Real-World Problems through Math Operations (5.NF.6)* | 3. Post-Test: Solving Real-World Problems through Math Operations (5.NF.6) |
| 2. Practical Applications for the Multiplication of Fractions & Mixed Numbers (5.NF.6) | 4. Multiplying Fractions and Mixed Numbers to Solve Real-World Problems (5.NF.6)* |

Unit 17: Dividing Unit Fractions and Whole Numbers (5.NF.7)**Assignments**

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|--|--|
| 1. Pre-Test: Dividing Unit Fractions and Whole Numbers (5.NF.7)* | 3. Post-Test: Dividing Unit Fractions and Whole Numbers (5.NF.7) |
| 2. Dividing a Unit Fraction by a Non-Zero Whole Number (5.NF.7) | 4. Dividing a Whole Number by a Unit Fraction (5.NF.7)* |

Unit 18: Converting Among Different-Sized Standard Measurement Units (5.MD.1)**Assignments**

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|--|--|
| 1. Pre-Test: Converting Among Different-Sized Standard Measurement Units (5.MD.1)* | 3. Post-Test: Converting among Different-Sized Standard Measurement Units (5.MD.1) |
| 2. Converting Among Units within a Standard Measurement System (5.MD.1) | 4. Using Conversions in Solving Multi-Step Real-World Problems (5.MD.1)* |

Unit 19: Making a Line Plot to Display a Data Set (5.MD.2)**Assignments**

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|---|---|
| 1. Pre-Test: Making a Line Plot to Display a Data Set (5.MD.2)* | 3. Post-Test: Making a Line Plot to Display a Data Set (5.MD.2) |
| 2. Displaying Data Measured in Fractions of a Unit (5.MD.2) | 4. Solving Problems Using Line Plot Information (5.MD.2)* |

Unit 20: Measuring Volumes of Solid Figures (5.MD.3)**Assignments**

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|---|---|
| 1. Pre-Test: Measuring Volumes of Solid Figures (5.MD.3)* | 3. Post-Test: Measuring Volumes of Solid Figures (5.MD.3) |
| 2. Recognizing Volume as an Attribute of Solid Figures (5.MD.3) | 4. Understanding Concepts of Volume Measurement (5.MD.3)* |

Unit 21: Determining Volumes of Solid Figures (5.MD.4)**Assignments**

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|---|---|
| 1. Pre-Test: Determining Volumes of Solid Figures (5.MD.4)* | 3. Post-Test: Determining Volumes of Solid Figures (5.MD.4) |
| 2. Measuring Volumes by Counting Unit Cubes (5.MD.4) | 4. Counting Unit Cubes to Determine Volumes (5.MD.4)* |

Unit 22: Relating Volume to the Operations of Multiplication and Addition (5.MD.5)**Assignments**

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|---|---|
| 1. Pre-Test: Relating Volume to the Operations of Multiplication and Addition (5.MD.5)* | 3. Post-Test: Relating Volume to the Operations of Multiplication and Addition (5.MD.5) |
| 2. Solving Real-World and Mathematical Problems Involving Volume (5.MD.5) | 4. Finding Volumes of Solid Figures (5.MD.5)* |

Unit 23: Defining a Coordinate System (5.G.1)**Assignments**

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| 1. Pre-Test: Defining a Coordinate System (5.G.1)* | 3. Post-Test: Defining a Coordinate System (5.G.1) |
| 2. Understanding the Meaning of Each Coordinate in an Ordered Pair (5.G.1) | 4. Locating, Identifying, and Graphing Points in a Coordinate Plane (5.G.1)* |

Unit 24: Representing Real-World and Mathematical Problems by Graphing Points (5.G.2)**Assignments**

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|--|--|
| 1. Pre-Test: Representing Real-World and Mathematical Problems by Graphing Points (5.G.2)* | 3. Post-Test: Representing Real-World and Mathematical Problems by Graphing Points (5.G.2) |
| 2. Representing Real-World Situations by Graphing Points (5.G.2) | 4. Interpreting Coordinate Values of Points in Real-World Situations (5.G.2)* |

Unit 25: Understanding Certain Things About Attributes of Shapes (5.G.3)**Assignments**

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|---|---|
| 1. Pre-Test: Understanding Certain Things about Attributes of Shapes (5.G.3)* | 3. Post-Test: Understanding Certain Things about Attributes of Shapes (5.G.3) |
| 2. Knowing Attributes of Shapes (5.G.3) | 4. Reasoning about the Attributes of Shapes (5.G.3)* |

(*) Indicates alternative assignment