



Scope & Sequence by Year

Kindergarten

UNITS

SESSIONS 1–19: Shapes

Naming, Sorting and Graphing 2-D Shapes, Counting and Comparing Sets

SESSIONS 20–33: Bugs

Sorting, Graphing, Patterning, Numbers to 10

SESSIONS 34–47: Butterflies

Recognizing and Naming Shapes, Patterning, Numbers to 10, Counting, Comparing Sets

SESSIONS 48–56: Ladybugs & Pennies

Growing Patterns, Counting and Comparing Sets, Adding and Subtracting, Money

SESSIONS 57–71: New Games

Numbers to 20, Skip Counting, Comparing and Ordering Quantities, Money

SESSIONS 72–83: Sea Creatures

Graphing, Addition and Subtraction Story Problems, Numbers to 20, Money

SESSIONS 84–94: Frogs & Toads

Numbers to 30, Sorting, Growing Patterns, Skip Counting, Measurement

SESSIONS 95–107: More Games

Measurement, Numbers to 30, Money, Patterning, Addition and Subtraction Story Problems

SESSIONS 108–121: Shapes & Story Problems

Addition and Subtraction Story Problems, Measurement, 2-D and 3-D Shapes

Grade 1

UNITS

UNIT 1: Bugs Galore

Sorting, Graphing, Counting, Addition and Subtraction Story Problems

UNIT 2: From Land to Sea

Understanding Addition and Subtraction, Facts to 10, Skip Counting

UNIT 3: Lobster Legs & Whale Tails

Skip Counting, Counting by 10's and 1's, Addition and Subtraction Story Problems, Coin Worth and Recognition, Counting Money

UNIT 4: Penguins

Length, Weight, Temperature, Sorting, Skip Counting and Number Patterns, Facts to 10, Story Problems

UNIT 5: Pattern Blocks, Polydrons & Paper Quilts

Composing and decomposing 2- and 3-Dimensional Shapes, Symmetry, Area, Tesselations, Transformations

UNIT 6: My Little Farm

Counting by 10's and 1's, Adding and Subtracting 2-Digit Numbers, Area and Perimeter, Story Problems, Skip Counting and Number Patterns

Grade 2

UNITS

UNIT 1: Sorting, Patterning & Number

Sorting and Graphing, Repeating and Growing Patterns, Skip Counting, Addition and Subtraction

UNIT 2: Hungry Ants

Understanding Operations, Posing and Solving Story Problems

UNIT 3: Addition, Subtraction & Probability

Addition and Subtraction Facts to 18, Probability and Graphing

UNIT 4: Shapes, Symmetry, Area & Number

2-D and 3-D Shapes, Symmetry, Area, Tesselations, Transformations, Congruence

UNIT 5: Branching into Larger Numbers: Money & Place Value

Counting by 100's, 10's and 1's, Comparing and Ordering 2- and 3-Digit Numbers, Adding and Subtracting 2-Digit Numbers

UNIT 6: Get Those Marbles Rolling

Linear Measurement, Data Collection and Analysis, Experimental Design

UNIT 7: Games, Graphs & Toys

Probability, Data Analysis, Fractions, Adding and Subtracting 2- and 3-Digit Numbers

Grade 3

UNITS

UNIT 1: Computation, Algebraic Thinking & Probability

Addition and Subtraction Facts to 20, Patterns and Functions, Length

UNIT 2: Place Value Structures & Multi-Digit Computation

Numbers to 1,000, 2- and 3-Digit Addition and Subtraction, Length

UNIT 3: Two- & Three-Dimensional Geometry

Properties, Transformations, Congruence, Symmetry, Angles

UNIT 4: Multiplication & Division Patterns & Concepts

Multiplication Facts to 10, Concept of Division, Area, Weight

UNIT 5: Place Value & Computation with Larger Numbers

Numbers to 10,000, 3- and 4-Digit Addition and Subtraction, Mass, Area and Perimeter

UNIT 6: Money, Fractions & Probability

Fractions, Decimals, Probability Experiments, Capacity

UNIT 7: Three-Dimensional Geometry, Multiplication & Data Analysis

Properties of 3-D shapes, 1- by 2-Digit Multiplication, Capacity

UNIT 8: Bridges Design & Construction

Data Collection and Analysis, Experimental Design

Grade 4

UNITS

UNIT 1: Multiplication & Division Models

2-D Shapes, Area, Basic Multiplication and Division Facts, Properties of Operations

UNIT 2: Place Value & Multiplication with Larger Numbers

Numbers to 100,000, Multi-Digit Multiplication

UNIT 3: Fractions & Division

Fraction Models and Meanings, Equivalent Fractions, Division with and without Remainders

UNIT 4: Geometry & Measurement

Transformations and Congruence, Symmetry, Angles, Area and Volume

UNIT 5: Probability & Data Analysis

Picture, Bar and Circle Graphs, The Language of Probability

UNIT 6: Fractions & Decimals

Modeling and Reading Decimals, Understanding Decimal/Fraction Connections

UNIT 7: Algebraic Thinking

Patterns and Functions, Graphing, Exploring the Concept of a Variable

UNIT 8: Wingspans

Measurement, Data Collection and Analysis

Grade 5

UNITS

UNIT 1: Connecting Mathematical Topics

Properties of Operations, Data Analysis, Patterns and Functions

UNIT 2: Seeing & Understanding Multi-Digit Multiplication & Division

Numbers to 1,000,000, Computation, Area and Perimeter

UNIT 3: Geometry & Measurement

Transformations and Congruence, Symmetry, Angle Measure, Volume and Surface Area

UNIT 4: Multiplication, Division & Fractions

Multi-Digit Computation, Fraction Models and Meanings, Adding and Subtracting Fractions

UNIT 5: Probability & Data Analysis

Bar, Double Bar and Circle Graphs, Theoretical and Experimental Probability

UNIT 6: Fractions, Decimals & Percents

Models and Meanings of Fractions, Decimals and Percents, Adding and Subtracting Fractions and Decimals

UNIT 7: Algebraic Thinking

Properties of Operations, Patterns and Functions, Graphing, Equations

UNIT 8: Spinning Tops

Data Collection and Analysis, Experimental Design, Geometry

NUMBER CORNER

AUGUST–JUNE: Skills & Concepts

- counting by 1's
- counting by 10's and 1's
- skip counting
- cardinal and ordinal numbers
- numeral recognition and writing
- beginning addition
- sorting
- repeating and growing patterns
- odd and even numbers
- 2-D shapes
- reading a calendar
- yesterday, today and tomorrow
- morning, noon and night
- time to the hour
- identifying and naming coins
- picture and bar graphs
- spinner experiments

NUMBER CORNER

AUGUST–JUNE: Skills & Concepts

- numeral recognition and writing
- skip counting (2's, 5's, 10's)
- counting by 10's and 1's
- basic facts (+ and – to 20)
- 2-digit addition
- sorting
- repeating and growing patterns
- skip counting/number patterns
- properties of operations
- 2-D shapes
- reading a calendar
- time to the half hour
- counting money
- temperature
- area
- picture and bar graphs
- spinner experiments

NUMBER CORNER

AUGUST–JUNE: Skills & Concepts

- counting by 100's, 10's and 1's
- basic facts (+ and – to 20)
- 2- and 3-digit addition and subtraction
- fractions
- sorting
- repeating and growing patterns
- skip counting/number patterns
- properties of operations
- 2- and 3-D shapes
- time to the minute
- counting money
- making change
- length, weight and capacity
- area and perimeter
- picture and bar graphs
- sampling experiments

NUMBER CORNER

AUGUST–JUNE: Skills & Concepts

- place value
- rounding and estimation
- basic facts (+, –, ×, and ÷)
- multi-digit addition, subtraction and multiplication
- story problems
- fractions
- skip counting/number patterns
- properties of operations
- 2- and 3-D shapes
- angles, symmetry, and congruence
- time to the minute
- elapsed time
- counting money and making change
- length, perimeter, and area
- temperature
- picture and bar graphs
- spinner and sampling experiments

NUMBER CORNER

AUGUST–JUNE: Skills & Concepts

- place value
- rounding and estimation
- basic facts (× and ÷)
- multi-digit addition, subtraction and multiplication
- story problems
- fractions and decimals
- multiples/number patterns
- patterns and functions
- coordinate grids
- properties of operations
- 2-D shapes
- transformations
- capacity
- length, perimeter and area
- elapsed time
- bar and line graphs, line plots
- dice and tile sampling experiments

NUMBER CORNER

AUGUST–JUNE: Skills & Concepts

- place value
- rounding and estimation
- basic facts (× and ÷)
- multi-digit computation
- fractions and decimals
- factors and multiples
- prime and composite numbers
- 2- and 3-D shapes
- transformations
- line and rotational symmetry
- similar and congruent figures
- perimeter and area
- volume and surface area
- weight and capacity
- time and temperature
- graphing and data analysis
- coin flip and sampling experiments



Scope & Sequence by Strand

| | | NUMBER & OPERATIONS | ALGEBRA | GEOMETRY | MEASUREMENT | DATA ANALYSIS & PROBABILITY |
|----------|----------------------|---|---|---|--|--|
| K | Units | Sessions 1–47: Shapes, Bugs & Butterflies Sessions 48–56: Ladybugs & Pennies Sessions 57–71: New Games Sessions 72–83: Sea Creatures Sessions 84–94: Frogs & Toads Sessions 95–107: More Games Sessions 108–121: Shapes & Story Problems | Sessions 1–19: Shapes Sessions 20–33: Bugs Sessions 48–56: Ladybugs & Pennies Sessions 84–94: Frogs & Toads Sessions 95–107: More Games | Sessions 1–19: Shapes Sessions 34–47: Butterflies Sessions 108–121: Shapes & Story Problems | Sessions 48–56: Ladybugs & Pennies Sessions 57–71: New Games Sessions 72–83: Sea Creatures Sessions 84–94: Frogs & Toads Sessions 95–107: More Games Sessions 108–121: Shapes & Story Problems | Sessions 1–19: Shapes Sessions 20–33: Bugs Sessions 72–83: Sea Creatures |
| | Number Corner | September–May/June | September–May/June | September, December, March, April | September–May/June | October, November, December, March, April |
| 1 | Units | Unit 1: Bugs Galore Unit 2: From Land to Sea Unit 3: Lobster Legs & Whale Tails Unit 4: Penguins Unit 6: My Little Farm | Unit 2: From Land to Sea Unit 3: Lobster Legs & Whale Tails | Unit 5: Pattern Blocks, Polydrons & Paper Quilts Unit 6: My Little Farm | Unit 4: Penguins Unit 5: Pattern Blocks, Polydrons & Paper Quilts Unit 6: My Little Farm | Unit 1: Bugs Galore Unit 3: Lobster Legs & Whale Tails |
| | Number Corner | September–May/June | September–May/June | January | September–May/June | October–February, April |
| 2 | Units | Unit 1: Sorting, Patterning & Number Unit 2: Hungry Ants Unit 3: Addition, Subtraction & Probability Unit 5: Branching into Larger Numbers: Money & Place Value Unit 7: Games, Graphs & Toys | Unit 1: Sorting, Patterning & Number Unit 3: Addition, Subtraction & Probability | Unit 4: Shapes, Symmetry, Area & Number | Unit 4: Shapes, Symmetry, Area & Number Unit 5: Branching into Larger Numbers: Money & Place Value Unit 6: Get Those Marbles Rolling | Unit 3: Addition, Subtraction & Probability Unit 5: Branching into Larger Numbers: Money & Place Value Unit 6: Get Those Marbles Rolling Unit 7: Games, Graphs & Toys |
| | Number Corner | September–May/June | September–May/June | May/June | September–May/June | November, December, January, February, April |
| 3 | Units | Unit 1: Computation, Algebraic Thinking & Probability Unit 2: Place Value Structures & Multi-Digit Computation Unit 4: Multiplication & Division Patterns & Concepts Unit 5: Place Value & Computation with Larger Numbers Unit 6: Money, Fractions & Probability Unit 7: 3-Dimensional Geometry, Multiplication & Data Analysis | Unit 1: Computation, Algebraic Thinking & Probability Unit 4: Multiplication & Division Patterns & Concepts | Unit 3: 2- & 3-Dimensional Geometry Unit 7: 3-Dimensional Geometry, Multiplication & Data Analysis | Unit 1: Computation, Algebraic Thinking & Probability Unit 2: Place Value Structures & Multi-Digit Computation Unit 4: Multiplication & Division Patterns & Concepts Unit 5: Place Value & Computation with Larger Numbers Unit 6: Money, Fractions & Probability Unit 7: 3-Dimensional Geometry, Multiplication & Data Analysis Unit 8: Bridges Design & Construction | Unit 6: Money, Fractions & Probability Unit 7: 3-Dimensional Geometry, Multiplication & Data Analysis Unit 8: Bridges Design & Construction |
| | Number Corner | September–May/June | September–May/June | November, March | September–March | October, December, February, April, May/June |
| 4 | Units | Unit 1: Multiplication & Division Models Unit 2: Place Value & Multiplication with Larger Numbers Unit 3: Fractions & Division Unit 6: Fractions & Decimals | Unit 4: Geometry & Measurement Unit 7: Algebraic Thinking | Unit 1: Multiplication & Division Models Unit 4: Geometry & Measurement | Unit 1: Multiplication & Division Models Unit 2: Place Value & Multiplication with Larger Numbers Unit 4: Geometry & Measurement Unit 8: Wingspans | Unit 5: Probability & Data Analysis Unit 8: Wingspans |
| | Number Corner | September–May/June | September–May/June | November, April | September, October, November, January, March, April | January, February, March |
| 5 | Units | Unit 1: Connecting Mathematical Topics Unit 2: Seeing & Understanding Multi-Digit Multiplication & Division Unit 4: Multiplication, Division & Fractions Unit 6: Fractions, Decimals & Percents | Unit 1: Connecting Mathematical Topics Unit 3: Geometry & Measurement Unit 7: Algebraic Thinking | Unit 3: Geometry & Measurement Unit 8: Spinning Tops | Unit 2: Seeing & Understanding Multi-Digit Multiplication & Division Unit 3: Geometry & Measurement Unit 8: Spinning Tops | Unit 1: Connecting Mathematical Topics Unit 5: Probability & Data Analysis Unit 8: Spinning Tops |
| | Number Corner | September–May/June | September–May/June | September, October, December, May/June | October, November, December, January, March, April | September, October, December, January, February, March |