

# Arrive **MATH**™

**BOOSTER**

## Scope of Content

# Level A

## Strand: Number and Quantity

### Module: Count to 5

- Lesson: Count to 3 with Dots and Objects
- Lesson: Count to 5 with Dots as Objects
- Lesson: Recognize Numerals 1, 2, and 3
- Lesson: Recognize Numerals 1 to 5
- Lesson: Identify Sets of 1 to 5 Objects
- Lesson: Create Sets Up to 5
- Lesson: Write Numbers 1 to 3
- Lesson: Write Numbers 4 and 5
- Lesson: Meaning of Zero
- Lesson: Successive Numbers to 5

### Module: Count to 6 and 7

- Lesson: Count to 6 and 7 with Dots as Objects
- Lesson: Recognize Numerals 6 and 7
- Lesson: Identify Sets of 6 and 7 Objects
- Lesson: Create Sets of 6 and 7 Objects
- Lesson: Write Numbers 6 and 7

### Module: Count to 8 and 9

- Lesson: Count to 8 and 9 with Dots as Objects
- Lesson: Recognize Numerals 8 and 9
- Lesson: Identify Sets of 8 and 9 Objects
- Lesson: Create Sets of 8 and 9
- Lesson: Write Numbers 8 and 9

### Module: Count to 10

- Lesson: Count to 10 with Dots as objects
- Lesson: Recognize Numeral 10
- Lesson: Identify Sets of 10 objects
- Lesson: Create Sets of 10
- Lesson: Write Number 10
- Lesson: Write Numbers 1 to 10
- Lesson: Successive Numbers to 10
- Lesson: Count to 10 from any Number

### Module: Compare and Order numbers 1 to 10

- Lesson: What Comes Before?
- Lesson: What Comes After?
- Lesson: Use a Number Path to Count and Compare
- Lesson: Compare Numbers 1 to 10
- Lesson: Order Numbers 1 to 10

### Module: Count to Compare

- Lesson: Same or Different with Two Groups
- Lesson: Less than 5
- Lesson: Greater than 5
- Lesson: Less than, Greater than, or Equal to 5
- Lesson: Less than 10
- Lesson: Compare Groups to Find More
- Lesson: Less than, Greater than, or Equal to 10

### Module: Compose and Decompose Numbers 1 to 10

- Lesson: Make (Compose) Numbers to 5
- Lesson: Take Apart (Decompose) Numbers to 5
- Lesson: Make (Compose) Numbers 6 and 7
- Lesson: Take Apart (Decompose) Numbers 6 and 7
- Lesson: Make (Compose) Numbers 8 and 9
- Lesson: Take Apart (Decompose) Numbers 8 and 9
- Lesson: Make (Compose) 10
- Lesson: Take Apart (Decompose) 10
- Lesson: Compose and Decompose Numbers 1 to 10

### Module: Count to 11 and 12

- Lesson: Count to 11 and 12 with Dots as objects
- Lesson: Recognize Numerals 11 and 12
- Lesson: Identify Sets of 11 and 12 Objects
- Lesson: Create Sets of 11 and 12
- Lesson: Write Numbers 11 and 12

### Module: Count to 13 and 14

- Lesson: Count to 13 and 14 with Dots as Objects
- Lesson: Recognize Numerals 13 and 14
- Lesson: Identify Sets of 13 and 14 Objects
- Lesson: Create Sets of 13 and 14
- Lesson: Write Numbers 13 and 14

### Module: Count to 15

- Lesson: Count to 15 with Dots as Objects
- Lesson: Recognize Numeral 15
- Lesson: Identify Sets of 15 Objects
- Lesson: Create Sets of 15
- Lesson: Write Number 15

**Module:** Count to 16 and 17

- Lesson: Count to 16 and 17 with Dots as Objects
- Lesson: Recognize Numerals 16 and 17
- Lesson: Identify Sets of 16 and 17 Objects
- Lesson: Create Sets of 16 and 17
- Lesson: Write Numbers 16 and 17

**Module:** Count to 18 and 19

- Lesson: Count to 18 and 19 with Dots as Objects
- Lesson: Recognize Numerals 18 and 19
- Lesson: Identify Sets of 18 and 19 Objects
- Lesson: Create Sets of 18 and 19
- Lesson: Write Numbers 18 and 19

**Module:** Count to 20

- Lesson: Count to 20 with Dots as Objects
- Lesson: Count to 20 Starting at Any Number
- Lesson: Recognize the Numeral 20
- Lesson: Identify Sets of 20 Objects
- Lesson: Create a Set of 20
- Lesson: Write Number 20

**Module:** Compose and Decompose Tens and Ones

- Lesson: Compose Tens and Ones from 11 to 15
- Lesson: Decompose Tens and Ones from 11 to 15
- Lesson: Compose Tens and Ones from 16 to 20
- Lesson: Decompose Tens and Ones from 16 to 20

**Module:** Count to 100

- Lesson: Count to 50
- Lesson: Count to 100
- Lesson: Count to 50 by Tens
- Lesson: Count to 100 by Tens

**Module:** Count Down from 20

- Lesson: Count 5 to 1 with Objects
- Lesson: Count Down from 5
- Lesson: Count 10 to 1 with Objects
- Lesson: Count Down from 10
- Lesson: Count Up and Down from 1 to 10
- Lesson: Count 20 to 1 with Objects
- Lesson: Count Up and Down from 1 to 20

**Strand: Algebraic Thinking****Module:** Addition and Subtraction Word Problems Within 5

- Lesson: Add To- Result Unknown within 5
- Lesson: Take From- Result Unknown within 5
- Lesson: Add To- Change Unknown within 5
- Lesson: Take From- Change Unknown within 5

**Strand: Operations****Module:** Sums to 10

- Lesson: Add to 10
- Lesson: Use the Plus Sign
- Lesson: Use the Equals Sign to Add
- Lesson: How Many with Sums to 10
- Lesson: Find Missing Numbers to Make 10

**Module:** Subtract from Numbers to 10

- Lesson: Subtract from Any Number to 10
- Lesson: Use the Minus Sign
- Lesson: Use the Equal Sign to Subtract
- Lesson: How many are Left with Differences to 10?

**Strand: Geometry****Module:** Describes Shapes

- Lesson: Recognize Triangles and Circles
- Lesson: Recognize Rectangles and Squares
- Lesson: Recognize Hexagons
- Lesson: Recognize 2-D Shapes
- Lesson: Recognize Cubes and Spheres
- Lesson: Recognize Cones and Cylinders
- Lesson: Recognize Solid Shapes
- Lesson: Recognize 2-D and 3-D Shapes

**Module:** Shapes in the Environment

- Lesson: Describe Position- Above and Below
- Lesson: Describe Position- In Front of and Behind
- Lesson: Describe Position- Next to and Beside
- Lesson: Describe Position of 2-D and 3-D Shapes

**Module:** Compare 2-D and 3-D Shapes

- Lesson: Compare Squares and Cubes
- Lesson: Compare Circles, Cones, and Cylinders
- Lesson: Name 2-D Flat Shapes on 3-D Solids

**Module:** Create Shapes

- Lesson: Draw Triangles
- Lesson: Draw Squares and Other Rectangles
- Lesson: Draw Hexagons and Circles
- Lesson: Use Shapes to Make Pictures
- Lesson: Combine Simple Shapes

**Strand: Measurement****Module:** Measurable Attributes

- Lesson: Describe and Compare Length
- Lesson: Describe and Compare Height
- Lesson: Describe and Compare Weight
- Lesson: Describe and Compare capacity
- Lesson: Describe Attributes of an Object

**Strand: Statistical Analysis****Module:** Classifying and Counting Objects

- Lesson: Alike and Different Objects
- Lesson: Group Objects That Are Alike and Different
- Lesson: Count Grouped Objects
- Lesson: Sort by Count

**Level B****Strand: Number and Quantity****Module:** Numbers to 120

- Lesson: Count to 120
- Lesson: Count Numbers to 100 to 120
- Lesson: Read and Write Numbers 1 to 50
- Lesson: Read and Write Numbers 51 to 100
- Lesson: Read and Write Numbers 101 to 120

**Module:** Place Value to 20

- Lesson: Model Tens and Ones
- Lesson: Combine Tens and Ones
- Lesson: Separate Tens and Ones

**Module:** Place Value to 50

- Lesson: Model Tens and Ones
- Lesson: Group Ones into Tens and Ones
- Lesson: Separate Tens and Ones into Ones

**Module:** Place Value to 100

- Lesson: Model Tens and Ones
- Lesson: Group Tens and Ones
- Lesson: Separate Tens and Ones into Ones
- Lesson: Digits in Numbers 1 to 99

**Module:** Compare and Order Numbers Less than 100

- Lesson: Before and After with Numbers 1 to 50
- Lesson: Compare Numbers 1 to 50
- Lesson: Compare Numbers 1 to 50 with = or > Symbols
- Lesson: Compare Numbers 1 to 50 with =, >, or < Symbols
- Lesson: Before and After with Numbers 1 to 100
- Lesson: Compare Numbers Using a Hundred Chart
- Lesson: Compare Numbers 1 to 100 Using Symbols
- Lesson: Order Numbers 1 to 100

**Module:** Ordinal Numbers

- Lesson: Identify Ordinal Numbers First to Fifth
- Lesson: Identify Ordinal Position First to Fifth
- Lesson: Identify ordinal Numbers First through Tenth

**Strand: Algebraic Thinking**

**Module:** Addition and Subtraction Word Problems  
Within 10

- Lesson: Add to- Result Unknown within 10
- Lesson: Take From- Result Unknown within 10
- Lesson: Add to- Change Unknown within 10
- Lesson: Take From- Change Unknown within 10
- Lesson: Add to- Start Unknown within 10
- Lesson: Take From- Start Unknown within 10

**Module:** Put Together/ Take Apart- Word Problems  
within 10

- Lesson: Put Together/ Take Apart- Total Unknown
- Lesson: Put Together/ Take Apart- Addend Unknown
- Lesson: Put Together/ Take Apart- Addends Unknown

**Module:** Word Problems with 3 Addends

- Lesson: Three Addend Word Problems with Drawings
- Three Addend Word Problems with models
- Three Addend Word Problems with Equations

**Strand: Operations**

**Module:** Addition Concepts

- Lesson: Model Addition with Sums to 10
- Lesson: Write Addition Number Sentences for Sums to 10
- Lesson: Vertical Addition Sums to 10
- Lesson: Make 10
- Lesson: Unknown Part of 10
- Lesson: True and False Number Sentences

**Module:** Addition Strategies

- Lesson: Add in Any Order
- Lesson: Add Numbers in Any Order
- Lesson: Add Zero
- Lesson: Count On to Add with Sums to 20
- Lesson: Find Sums to 10 with Horizontal Number Lines
- Lesson: Use a Number Line to Count On to Sums of 10
- Lesson: Use a Number Line to Count On to Sums of 20
- Lesson: Use Doubles to Find Sums to 20
- Lesson: Use Near Doubles to Add
- Lesson: Make 10 to Add

**Module:** Add Three Numbers

- Lesson: Make a 10 to Add Three 1- Digit Numbers
- Lesson: Use Doubles to Add Three 1-Digit Numbers
- Lesson: Add Three 1-Digit Numbers

**Module:** Two-Digit Addition

- Lesson: Find 10 More Than a Number
- Lesson: Add Tens to Tens
- Lesson: Count on Ones to Add
- Lesson: Count on Tens to Add
- Lesson: Add a Two-Digit Number
- Lesson: Add a Two-Digit Number with Regrouping

**Module:** Subtraction Concepts

- Lesson: Model Subtraction with Differences to 10
- Lesson: Write Subtraction Number Sentences for Differences to 10
- Lesson: Vertical Subtraction with Differences to 10
- Lesson: Determine the Unknown- Subtraction to 10
- Lesson: Identify Differences within Numbers to 10 as True and false

**Module:** Subtraction Strategies

- Lesson: Subtract Zero and All within 10
- Lesson: Subtract Zero and All (11 to 20)
- Lesson: Count Back to Subtract within 10
- Lesson: Count Back within 10 on a Number Line
- Lesson: Count Back to Subtract (11 to 20)
- Lesson: Count Back within 20 on a Number Line
- Lesson: Use Doubles to Subtract within 20

**Module:** Two-Digit Subtraction

- Lesson: Find 10 Less than a Number
- Lesson: Subtract Tens From Tens
- Lesson: Count Back Tens by Tens on a Number Line
- Lesson: Use Related Addition Facts to Subtract

**Strand:** Geometry**Module:** Characteristics of Shapes

- Lesson: Recognize Open and closed Shapes
- Lesson: Draw Closed Shapes
- Lesson: More Open and Closed Shapes
- Lesson: Draw More Closed Shapes
- Lesson: Compare Shapes
- Lesson: Compose 2-D Shapes

**Module:** Characteristics of 3-D Shapes

- Lesson: Recognize Cubes and Prisms
- Lesson: Recognize Cones and Cylinders
- Lesson: Compose 3-D shapes

**Module:** Halves and Fourths

- Lesson: Equal Shares
- Lesson: Halves
- Lesson: Fourths and Quarters
- **Strand: Measurement**

**Module:** Compare and Organize Linear Measurements

- Lesson: Long, Longer, Longest
- Lesson: Short, Shorter, Shortest
- Lesson: Tall, Taller, Tallest
- Lesson: Organize Objects by Length

**Module:** Measure Length

- Lesson: How to Measure length using units
- Lesson: Use Objects to Measure the Nearest Unit
- Lesson: Use Non-Standard Units to Measure

**Module:** Telling Time

- Lesson: Analog Clocks- Time to the Hour
- Lesson: Analog Clocks- Time to the Half Hour
- Lesson: Digital Clocks- Time to the Hour
- Lesson: Digital Clocks- Time to the Half Hour
- Lesson: Analog and Digital Time- Hour and Half Hour

**Strand:** Statistical Analysis**Module:** Basic Tally Charts and Tables

- Lesson: Organize and Show Data Using a Tally Chart
- Lesson: Represent and Interpret Data in a Tally Table
- Lesson: Use a Tally Table to Make a Picture Graph

# Level C

## Strand: Number and Quantity

### Module: Skip Count to 100

- Lesson: Skip Count by Fives to 100
- Lesson: Count Nickels to One Dollar
- Lesson: Skip Count by Twos to 100
- Lesson: Skip Count by Tens to 100
- Lesson: Count Dimes to One Dollar
- Lesson: Skip Count by Tens to 100 From Any Number

### Module: Write Number Names to 100

- Lesson: Write Number Names to 10
- Lesson: Write Number Names to 20
- Lesson: Write Number Names 21 – 50
- Lesson: Write Number Names 51 to 100

### Module: Place Value to 999

- Lesson: Model Hundreds, Tens and Ones
- Lesson: Groups of Hundreds
- Lesson: Identify Numbers to 999
- Lesson: Expand Form (101-999)
- Lesson: Digits in Numbers (100-999)
- Lesson: Understand Numbers to 999
- Lesson: Regroup Hundreds, Tens, and Ones

### Module: Skip Count Beyond 100

- Lesson: Skip Count by Fives to 500
- Lesson: Skip Count by Fives to 1,000
- Lesson: Skip Count by Tens to 500
- Lesson: Skip Count by Tens to 1,000
- Lesson: Skip Count by Hundreds to 1,000

### Module: Compare and Order Numbers Less than 1,000

- Lesson: Order Numbers Less than 1,000
- Lesson: Before and After with Numbers Less than 1,000
- Lesson: Compare Whole Numbers Less than 1,000

## Strand: Algebraic Thinking

### Module: Addition and Subtraction Word Problems within 50

- Lesson: Add to- Result Unknown within 50
- Lesson: Take From- Result Unknown within 50
- Lesson: Add to- Change Unknown within 50
- Lesson: Take From- Change Unknown within 50
- Lesson: Add to- Start unknown within 50
- Lesson: Take From- Start Unknown within 50

### Module: Put Together/ Take Apart- Word Problems within 50

- Lesson: Put Together/ Take Apart- Total Unknown to 50
- Lesson: Put Together/ Take Apart- Addend Unknown to 50
- Lesson: Put Together/ Take Apart- Addends Unknown

### Module: Odd and Even Numbers

- Lesson: Odd or Even? Find Pairs
- Lesson: Equal Addends
- Lesson: Odd or Even? Skip Count by Twos

### Module: Whole Numbers on a Number Line

- Lesson: Whole Numbers on a Number Line
- Lesson: Graphs of Whole Numbers
- Lesson: Graph Whole Numbers

## Strand: Operations

### Module: Related Facts

- Lesson: Fact Families
- Lesson: Use a Related Addition Fact to Subtract
- Lesson: Relate Addition and Subtraction

### Module: Add and Subtract using mental Strategies

- Lesson: Strengthen Mental Math- Sums to 20
- Lesson: Strengthen Mental Math- Differences to 20
- Lesson: Strengthen Mental Math- Sums and Differences to 20

**Module:** Addition Strategies

- Lesson: Take Apart Tens and Ones to Add
- Lesson: Regroup Ones as Tens to Add (Models)
- Lesson: Regroup Ones as Tens to Add
- Lesson: Add Two-Digit Numbers

**Module:** 3-Digit Addition

- Lesson: Add Hundreds to Hundreds
- Lesson: Add Multiples of 100
- Lesson: Add Multiples of 10
- Lesson: Take Apart Hundreds, Tens, and Ones to Add
- Lesson: Regroup Ones to Add 3-Digit Numbers
- Lesson: Regroup Tens to Add 3-Digit Numbers
- Lesson: Add 3-Digit Numbers within 1,000

**Module:** Subtraction Strategies with Place Value

- Lesson: Subtract by Taking Apart Tens and Ones
- Lesson: Subtract by Regrouping Tens as Ones (Models)
- Lesson: Subtract by Regrouping Tens as Ones
- Lesson: Subtract Two-Digit Numbers

**Modules:** Three-Digit Subtraction

- Lesson: Subtract Hundreds From Hundreds
- Lesson: Subtract Multiples of Hundreds
- Lesson: Subtract Multiples of 10
- Lesson: Regroup Hundreds to Subtract within 1,000 (Models)
- Lesson: Regroup Tens to Subtract within 1,000 (Models)
- Lesson: Subtract 2-Digits from 3-Digits within 1,000
- Lesson: Subtract 3-Digits from 3-Digits within 1,000
- Lesson: Subtract Across Zeros

**Module:** Mental Strategies- Add and Subtract 10 and 100

- Lesson: Mentally Add 100
- Lesson: Mentally Add 10
- Lesson: Mentally Subtract 100
- Lesson: Mentally Subtract 10

**Module:** Repeated Addition

- Lesson: Identify Arrays
- Lesson: Solve Repeated Addition with Arrays
- Lesson: Repeated Addition Equations with Arrays

**Strand:** Geometry

**Module:** Attributes

- Lesson: Choose 2-D Shapes Based on Attributes
- Lesson: Choose 3-D Shapes Based on Attributes
- Lesson: Identify and Name Quadrilaterals
- Lesson: Identify Pentagons and Hexagons
- Lesson: Recognize Shapes Based on Sides and Angles

**Module:** Equal Parts

- Lesson: Equal Shares
- Lesson: Halves and Fourths
- Lesson: Thirds
- Lesson: Equal Shares: Different Shapes
- Lesson: Rows and Columns

**Strand:** Measurement

**Module:** Telling Time in Smaller Increments

- Lesson: Tell Time to the Quarter Hour
- Lesson: Tell Time in Five Minute Intervals
- Lesson: Tell Time Using A.M. and P.M.

**Module:** Linear Measurement- Customary Units

- Lesson: Measure Length in Inches
- Lesson: Estimate and Measure Length in Inches
- Lesson: Measure Length in Feet
- Lesson: Estimate and Measure Length in Feet
- Lesson: Measure Length in Yards

**Module:** Linear Measurement- Metric units

- Lesson: Measure Length in Centimeters
- Lesson: Estimate and Measure Length in Centimeters
- Lesson: Measure Length in Meters
- Lesson: Estimate and Measure Length in Meters



**Module:** Compare Measurements of Length

- Lesson: Compare Lengths Measured in Inches
- Lesson: Compare Lengths Measured in Feet
- Lesson: Compare Lengths Measured in Yards
- Lesson: Compare Lengths Measured in Centimeters
- Lesson: Compare Lengths Measured in Meters

**Module:** Measuring Length with Customary Units

- Lesson: Use Correct Tools to Measure Customary Length
- Lesson: Equivalent Units- Feet and Inches
- Lesson: Equivalent Units- Yards and Inches
- Lesson: Equivalent Units- Yards and Feet
- Lesson: Relate Units- Inches, Feet, and Yards

**Module:** Linear Measurement with Metric Units

- Lesson: Use Correct Tools to Measure Metric Length
- Lesson: Equivalent Metric Units of Measurement
- Lesson: Relate Units- Meters and Centimeters

**Module:** Use Number Lines to Determine Length

- Lesson: Number Lines with Whole Number Lengths
- Lesson: Use Number Lines to Add Lengths
- Lesson: Use Number Lines to Subtract Length

**Module:** Word Problems Using Length

- Lesson: Addition Word Problems Involving Length
- Lesson: Subtraction Word Problems Involving Length
- Lesson: Word Problems- Use Symbols to Add Length
- Lesson: Word Problems- Use Symbols to Subtract Length

**Module:** Recognize and Count U.S. Coins and Bills

- Lesson: Pennies, Nickels, Dimes
- Lesson: Pennies, Nickels, Dimes, Quarters
- Lesson: Coins from Greatest to Least in value
- Lesson: Dollar Bills- 1, 5, 10, 20
- Lesson: Dollar Bills from Greatest to Least in Value

**Module:** Determine the Amount of Money

- Lesson: Pennies, Nickels, Dimes- How Much Money?
- Lesson: All Coins- How Much Money?
- Lesson: Word Problems with Coins
- Lesson: How Much Money? 1, 5, 10, and 20 Dollar Bills
- Lesson: Word Problems with Dollar Bills

**Module:** Equal Amounts of Money

- Lesson: Equal Values- Pennies, Nickels, and Dimes
- Lesson: Equal Values- pennies, Nickels, and Quarters
- Lesson: Equal Values- One Dollar
- Lesson: Equal Values- Dollar Bills

**Strand: Statistical Analysis**

**Module:** Single-Unit Scale Picture and Bar Graphs

- Lesson: Organize and Show Data in Picture Graphs
- Lesson: Interpret Data in Picture Graphs
- Lesson: Organize and Show Data in Bar Graphs
- Lesson: Interpret Data in Bar Graphs
- Lesson: Solve Addition Problems Using Bar Graphs
- Lesson: Solve Subtraction Problems Using Bar graphs

**Module:** Whole Number Line Plots

- Lesson: Create Line Plots from Tally Charts
- Lesson: Measure to Create Line Plots
- Lesson: Repeat Measure to Create Line Plots

# Level D

## Strand: Number and Quantity

### Module: Round Whole Numbers Less than 1,000

- Lesson: Round Two-Digit Numbers (Nearest 10)
- Lesson: Round Three-Digit Numbers (Nearest 10)
- Lesson: Round Three-Digit Numbers (Nearest 100)

### Module: Introduction to Fractional Numbers

- Lesson: Equal Parts of a Whole
- Lesson: Understanding Unit Fractions
- Lesson: Fractions with Numerators  $> 1$
- Lesson: Equivalent Fractions (1 Whole)
- Lesson: Intervals on a Number Line
- Lesson: Unit Fractions on a Number Line
- Lesson: Fractions on a Number Line
- Lesson: Fractions  $> 1$  on a Number Line
- Lesson: Mixed Numbers on a Number Line

### Module: Model Equivalent Fractions

- Lesson: Equivalent Fractions with Models
- Lesson: Equivalent Fractions using Number Lines
- Lesson: Recognize Equivalent Fractions
- Lesson: Equivalent Fractions with Whole Numbers

### Module: Compare Fractions with Common Numerators and Denominators

- Lesson: Compare Unit Fractions
- Lesson: Compare Same-Numerator Fractions
- Lesson: Compare Same-Denominator Fractions
- Lesson: Compare Fractions  $> 1$
- Lesson: Compare Fractions
- Lesson: Order Common Denominator Fractions  $> 1$

## Strand: Algebraic Thinking

### Module: Patterns in Arithmetic

- Lesson: Patterns- Addition Table
- Lesson: Even and Odd Addition Patterns
- Lesson: Patterns with Factors of 0 and 1
- Lesson: Patterns with Order of Factors
- Lesson: Patterns with Factors of 5, 9, and 10
- Lesson: Even and Odd Multiplication Patterns

### Module: Solve Multiplication and Division Word Problems Using Drawings and Manipulatives

- Lesson: Unknown Product- Equal Group Models
- Lesson: Unknown Group Sizes- Equal Group Models
- Lesson: Unknown Number of Equal Groups
- Lesson: Find Unknown Products- Arrays
- Lesson: Find Unknown Group Sizes- Arrays
- Lesson: Unknown Number of Groups- Arrays
- Lesson: Unknown Product- Model
- Lesson: Compare (Group Size Unknown)
- Lesson: Compare (Number of Groups Unknown)

### Module: Solve Multiplication and Division Word Problems Using Equations

- Lesson: Equal Groups Word Problems (Equations)
- Lesson: Word Problems with Arrays (Equations)
- Lesson: Comparison Word Problems (Equations)
- Lesson: Word Problems Using Equations

### Module: Solve Two-Step Word Problems

- Lesson: Two-Step Word Problems (+ and -)
- Lesson: Two-Step Word Problems ( $\times$  and  $\div$ )
- Lesson: Two-Step Word Problems (+, -, and  $\div$ )
- Lesson: Two-Step Word Problems (Two Operations)

### Module: Reasonableness of Answers

- Lesson: Reasonableness: Evaluate Solutions
- Lesson: Reasonableness: 1- & 2-Step Word Problems
- Lesson: Reasonableness: 2-Step Word Problems

**Strand: Operations****Module:** Adding and Subtracting Multi-Digit Numbers

- Lesson: Add 3- and 2-Digit Numbers
- Lesson: Add Two 3-Digit Numbers
- Lesson: Subtract 3- & 2-Digits (No Regrouping)
- Lesson: Subtract 3- and 2-Digit Numbers (Regrouping)
- Lesson: Subtracting Across Zeros
- Lesson: Add and Subtract 3- & 2-Digit Numbers

**Module:** Multiplication Models

- Lesson: Model Multiplication with Objects
- Lesson: Model Multiplication: Repeated Addition
- Lesson: Model Multiplication with Arrays

**Module:** Multiplication Fact

- Lesson: Multiplication Facts: 1s, 2s, 5s, and 10s
- Lesson: Multiplication Facts: 3s and 6s
- Lesson: Multiplication Facts: 4s and 8s
- Lesson: Multiplication Facts: 7s
- Lesson: Multiplication Facts: 9s
- Lesson: Missing Factors

**Module:** Multiplication and Properties

- Lesson: Reorder Factors
- Lesson: Multiply Three Numbers
- Lesson: Regroup Factors to Multiply
- Lesson: Multiply 1-Digit by Multiples of 10

**Module:** Introduction to Division

- Lesson: Unknown Group Size (Equal Groups)
- Lesson: Unknown Number of Groups (Equal Groups)
- Lesson: Relate Division and Subtraction
- Lesson: Related Equations: Multiply/Divide
- Lesson: Division as an Unknown Factor Problem
- Lesson: Unknowns in Division Equations
- Lesson: Multiplication and Division Facts

**Strand: Geometry****Module:** Quadrilaterals and Partition Shapes

- Lesson: Quadrilaterals & Parallelograms
- Lesson: Draw & Recognize Quadrilaterals
- Lesson: Fractional Parts with Unit Fractions

**Strand: Measurement****Module:** Tell Time to the Minute

- Lesson: Time to the Nearest Minute
- Lesson: Clocks to the Nearest Minute
- Lesson: Intervals of Time Using a Number Line
- Lesson: Add Intervals of Time
- Lesson: Subtract Intervals of Time

**Module:** Perimeter

- Lesson: Perimeter of Polygons
- Lesson: Calculate Perimeter Using a Grid
- Lesson: Perimeter with Unknown Sides
- Lesson: Perimeter Word Problems

**Module:** Introduction to Area

- Lesson: Area Using Tiling and Counting
- Lesson: Area Using Addition
- Lesson: Area Using Multiplication
- Lesson: Area Word Problems

**Module:** Rectilinear Area

- Lesson: Area Using the Distributive Property
- Lesson: Decompose Shapes to Find Area (Grids)
- Lesson: Decompose Shapes to Find Area
- Lesson: Area and Perimeter Relationships

**Module:** Metric Units of Mass

- Lesson: Measure Mass in Metric Units
- Lesson: Estimate Mass in Metric Units
- Lesson: Mass Word Problems with Metric Units

**Module:** Estimate and Measure Liquid Volume in Metric Units

- Lesson: Liquid Volume in Metric Units
- Lesson: Estimate Liquid Volume in Metric Units
- Lesson: Liquid Volume Word Problems

**Strand: Statistical Analysis****Module:** Scaled Picture and Bar Graphs

- Lesson: Create Scaled Pictographs
- Lesson: Interpret Scaled Pictographs
- Lesson: Create Scaled Bar Graphs
- Lesson: Interpret Scaled Bar Graphs

**Module:** Line Plots with Half and Quarter Inches

- Lesson: Create Line Plots (Half Inch)
- Lesson: Create Line Plots (Quarter Inch)
- Lesson: Interpret Line Plots

## Level E

**Strand: Number and Quantity****Module:** Place Value to 9,999

- Lesson: Digits in Numbers (1-9,999)
- Lesson: Standard Form through 9,999
- Lesson: Word Form through 9,999
- Lesson: Expanded Form through 9,999

**Module:** Place Value to 99,999

- Lesson: Place Value through 99,999
- Lesson: Standard Form through 99,999
- Lesson: Word Form through 99,999
- Lesson: Expanded Form through 99,999
- Lesson: Ten Times as Great

**Module:** Place Value Beyond 99,999

- Lesson: Digits in Numbers (1-999,999)
- Lesson: Standard & Word Form through 999,999
- Lesson: Expanded Form through 999,999
- Lesson: Compare & Order Numbers through 999,999

**Module:** Round Whole Numbers

- Lesson: Round 4-Digit Numbers (Nearest 10 or 100)
- Lesson: Round 4-Digit Numbers (Nearest 1,000)
- Lesson: Round to Nearest 10, 100, or 1,000
- Lesson: Round to Any Place

**Module:** Improper Fractions and Mixed Numbers

- Lesson: Introduction to Improper Fractions
- Lesson: Introduction to Mixed Numbers
- Lesson: Improper Fractions to Mixed Numbers
- Lesson: Mixed Numbers to Improper Fractions

**Module:** Fractions and Decimals

- Lesson: Equivalent Fractions (10ths and 100ths)
- Lesson: Adding Fractions (10ths and 100ths)
- Lesson: Decimal Fractions: Tenths
- Lesson: Decimal Fractions: Hundredths

**Module:** Factors and Multiples

- Lesson: Use Models to Understand Factors
- Lesson: Identify and List Factors
- Lesson: Prime and Composite Numbers
- Lesson: Identify Multiples

**Module:** Equivalent Fractional Numbers

- Lesson: Equivalent Fractions with Multiplication
- Lesson: Equivalent Fractions with Division
- Lesson: Equivalent Fractions

**Module:** Compare Fractions with Uncommon Denominators

- Lesson: Compare Fractions (Visual Models)
- Lesson: Compare Using Benchmark Fraction  $\frac{1}{2}$
- Lesson: Compare with Fractions Equal to 1
- Lesson: Determining the Common Denominator
- Lesson: Use Common Denominators to Compare

**Module:** Compare Fractional and Decimal Numbers

- Lesson: Compare Fractions & Decimals (10ths)
- Lesson: Compare Fractions & Decimals (100ths)
- Lesson: Compare Fractions & Decimals  $< 1$
- Lesson: Order Fractions & Decimals  $> 1$

**Module:** Divisibility

- Lesson: Divisibility Rules for 2, 5, and 10
- Lesson: Divisibility Rules for 3 and 9
- Lesson: Divisibility Rules for 6
- Lesson: Divisibility Rules for 4 and 8
- Lesson: Divisibility with Whole Numbers

**Strand: Algebraic Thinking**

**Module:** Solve Multi-Step Word Problems with Whole Numbers Within 10,000

- Lesson: Interpret Remainders in Word Problems
- Lesson: Reasonableness: Multi-Step Word Problems
- Lesson: Multi-Step Word Problems with Models
- Lesson: Multi-Step Word Problems

**Module:** Introduction to Word Problems with Fractions

- Lesson: Add/Subtract Fractions: Models/Equations
- Lesson: Whole Numbers  $\times$  Fractions: Models
- Lesson: Whole Numbers  $\times$  Fractions: Equations

**Module:** Repeating Patterns

- Lesson: Identify the Core of a Pattern
- Lesson: Extend Shape Patterns
- Lesson: Extend Number Patterns
- Lesson: Identify Terms in a Sequence

**Module:** Growing Patterns

- Lesson: Hidden Features
- Lesson: Shape Pattern Rules
- Lesson: Number Pattern Rules
- Lesson: Shape and Number Patterns

**Strand: Operations**

**Module:** Standard Algorithm for Addition and Subtraction

- Lesson: Add Multi-Digit Numbers
- Lesson: Subtract Multi-Digit Numbers
- Lesson: Regrouping with Zeros

**Module:** Multiply with One-Digit Numbers

- Lesson: Multiply Multiples of 10 by 1-Digit Numbers
- Lesson: Multiply 2- by 1-Digit (Models)
- Lesson: Multiply 2- by 1-Digit (Partial Products)
- Lesson: Multiply 2- by 1-Digit Numbers
- Lesson: Multiply 3- by 1-Digit Numbers
- Lesson: Multiply 4- by 1-Digit Numbers

**Module:** Multiply with Two-Digit Numbers

- Lesson: Multiply 2-Digit Numbers with Multiples of 10
- Lesson: Multiply 2-Digit Numbers (Area Models)
- Lesson: Multiply 2-Digit Numbers (Partial Products)
- Lesson: Multiply 2-Digit Numbers

**Module:** Understanding Division

- Lesson: Division with Extended Facts
- Lesson: Divide 2- by 1-Digit (Models)
- Lesson: Divide 2- by 1-Digit (Remainders & Models)

**Module:** Division Based on Place-Value Strategies

- Lesson: Divide 4-Digits by 1-Digit (Area Models)
- Lesson: Divide 2-Digits by 1-Digit (Partial Quotients)
- Lesson: Divide 3-Digits by 1-Digit (Partial Quotients)
- Lesson: Divide 4-Digits by 1-Digit (Partial Quotients)

**Module:** Division with and without Remainders

- Lesson: Divide 2-Digits by 1-Digit: 1-Digit Quotients
- Lesson: Divide 2-Digits by 1-Digit: 2-Digit Quotients
- Lesson: Divide 2-Digits by 1-Digit
- Lesson: Divide 3-Digits by 1-Digit
- Lesson: Division Involving Zeros: 3-Digit Dividends
- Lesson: Divide 4-Digits by 1-Digit
- Lesson: Division Involving Zeros: 4-Digit Dividends

**Module:** Addition and Subtraction of Fractions with Like Denominators

- Lesson: Build Fractions from Unit Fractions
- Lesson: Decomposing Fractions into Sums
- Lesson: Add Like-Denominator Fractions (Models)
- Lesson: Subtract Like-Denominator Fractions (Models)
- Lesson: Add Like-Denominator Fractions
- Lesson: Add Like-Denominator Fractions (Sums  $>1$ )
- Lesson: Subtract Like-Denominator Fractions
- Lesson: Add & Subtract Like-Denominator Fractions

**Module:** Addition and Subtraction of Mixed Numbers with Like Denominators

- Lesson: Add Mixed Numbers
- Lesson: Add Mixed Numbers (Regroup)
- Lesson: Subtract Mixed Numbers
- Lesson: Subtract (Rename Difference  $<1$ )
- Lesson: Subtract (Rename Difference): Models
- Lesson: More Subtraction (Rename Difference)
- Lesson: Subtract (Rename Difference)

**Module:** Multiplication as Comparison

- Lesson: Interpret Multiplication Equations
- Lesson: Comparison Word Problems (Models)
- Lesson: Comparison Word Problems with Equations

**Module:** Multiplication of Fractions by Whole Numbers

- Lesson: Unit Fraction by Whole Number (Models)
- Lesson: Fraction by Whole Number (Models)
- Lesson: Fraction by Whole Number (Equations)

**Strand: Geometry**

**Module:** Geometric Objects

- Lesson: Draw & Label Points, Segments, Lines, & Rays
- Lesson: Draw & Describe Parallel, Intersecting, & Perpendicular Lines
- Lesson: Geometric Objects

**Module:** Angles

- Lesson: Understand Angles
- Lesson: Angle Types
- Lesson: Draw & Name Angle Types

**Module:** Categorize Shapes

- Lesson: Geometric Objects in Shapes
- Lesson: Identify Angles in Shapes
- Lesson: Classify Shapes: Based on Angles
- Lesson: Recognize Triangles by their Angles
- Lesson: Recognize Triangles by their Sides
- Lesson: Recognize Parallel and Perpendicular Lines
- Lesson: Classify Shapes: Parallel and Perpendicular Lines

**Module:** Symmetry

- Lesson: Recognize Lines of Symmetry
- Lesson: Line-Symmetric Figures
- Lesson: Draw and Identify Multiple Lines of Symmetry

**Strand: Measurement**

**Module:** Money Word Problems

- Lesson: Money Review
- Lesson: Add and Subtract with Money
- Lesson: Multiply and Divide with Money

**Module:** Conversions

- Lesson: Customary Units of Length
- Lesson: Metric Units of Length
- Lesson: Customary Units of Weight
- Lesson: Metric Units of Mass
- Lesson: Customary Units of Liquid Volume
- Lesson: Metric Units of Liquid Volume
- Lesson: Time

**Module:** Time Word Problems

- Lesson: Whole Numbers (Time)
- Lesson: Conversions (Time)
- Lesson: Fraction Conversions (Time)

**Module:** Distance Word Problems

- Lesson: Whole Numbers (Distance)
- Lesson: Conversions (Distance)
- Lesson: Fraction Conversions (Distance)
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**Module:** Perimeter and Area Formulas

- Lesson: Perimeter of Rectangles and Squares
- Lesson: Area of Rectangles and Square
- Lesson: Calculate Perimeter and Area

**Module:** Mass and Weight Word Problems

- Lesson: Whole Numbers (Mass & Weight)
- Lesson: Conversions (Mass & Weight)
- Lesson: Fraction Conversions (Mass & Weight)

**Module:** Measure Angles

- Lesson: Degrees in a Circle
- Lesson: Use a Protractor
- Lesson: Draw and Estimate Angle Measures
- Lesson: Solve Problems with Angles

**Module:** Liquid Volume Word Problems

- Lesson: Liquid Volume Word Problems with Diagrams
- Lesson: Conversions (Liquid Volume)
- Lesson: Fraction Conversions (Liquid Volume)

**Strand: Statistical Analysis****Module:** Line Plots to Eighths

- Lesson: Line Plots (Halves)
- Lesson: Line Plots (Quarters)
- Lesson: Line Plots (Eighths)

## Level F

**Strand:** Number & Quantity**Module:** Place Value with Powers of Ten

- Lesson: Standard & Word Form (Large Numbers)
- Lesson: Introduction to Powers of Ten
- Lesson: Expanded Form with Powers of Ten
- Lesson: One-Tenth as Much
- Lesson: Digits to the Left and Right
- Lesson: Identify Decimal Numbers  $< 1$  (Tenths)
- Lesson: Identify Decimal Numbers  $> 1$  (Tenths)
- Lesson: Identify Decimal Numbers in Hundredths
- Lesson: Identify Decimal Numbers in Thousandths
- Lesson: Decimal Numbers in Expanded Form
- Lesson: Expanded Form (Decimal Powers of 10)
- Lesson: One-Tenth & 10 Times as Much (Decimals)

**Module:** Compare and Order Decimal Numbers

- Lesson: Compare Decimal Numbers in Tenths
- Lesson: Compare Decimal Numbers (100ths)
- Lesson: Compare Decimal Numbers (1,000ths)
- Lesson: Equivalent Decimal Numbers
- Lesson: Compare Decimal Numbers
- Lesson: Order Decimal Numbers
- **Module:** Round Decimal Numbers
- Lesson: Round to the Nearest Whole Number ( $< 1$ )
- Lesson: Round to the Nearest Whole Number ( $> 1$ )
- Lesson: Round to the Nearest Tenth ( $< 1$ )
- Lesson: Round to the Nearest Tenth ( $> 1$ )
- Lesson: Round to the Nearest Hundredth
- Lesson: Round Decimal Numbers

**Module:** Fractions as Quotients

- Lesson: Fractions as Quotients: Models
- Lesson: Fractions as Quotients: Models/Equations
- Lesson: Interpret Fractions as Quotients

**Strand: Algebraic Thinking****Module:** Word Problems with Fractions

- Lesson: Add & Subtract Fractions (Models)
- Lesson: Add & Subtract Fractions (Equations)
- Lesson: Estimate & Check (Benchmark Fractions)
- Lesson: Multiply Fractions & Mixed Numbers: Models
- Lesson: Multiply Fractions & Mixed Numbers: Equations

**Module:** Pairs of Patterns

- Lesson: Create and Analyze the Pattern
- Lesson: Corresponding Terms as Ordered Pairs
- Lesson: Graph Ordered Pairs

**Strand:** Operation**Module:** Multiplication with Multi-Digit Numbers

- Lesson: Multiply Multi-Digit by 2-Digit Numbers
- Lesson: Multiply 3-Digit by 3-Digit Numbers
- Lesson: Multiply Multi-Digit Numbers

**Module:** Division by 2-Digit Divisors

- Lesson: Divide by Multiples of 10
- Lesson: 2- and 3-Digit Dividends
- Lesson: 3- and 4-Digit Dividends

**Module:** Multi-Digit Division Using Extended Facts

- Lesson: Divide by 1-Digit (Partial Quotients)
- Lesson: Divide by 2-Digits (Area Models)
- Lesson: Divide by 2-Digits (Partial Quotients)

**Module:** Addition of Decimal Numbers

- Lesson: Model Adding Decimals
- Lesson: Add Two Decimal Numbers
- Lesson: Align Decimal Points when Adding
- Lesson: Decimals (Different Decimal Places)

**Module:** Subtraction of Decimal Numbers

- Lesson: Model Subtracting Decimal Numbers
- Lesson: Subtract Two Decimal Numbers
- Lesson: Align Decimal Numbers (Less than One)
- Lesson: Align Decimal Numbers (Greater than One)

**Module:** Addition and Subtraction of Fractions with Unlike Denominators

- Lesson: Add Fractions (with & without Models)
- Lesson: Subtract Fractions (with & without Models)
- Lesson: Rename Both Fractions to Add (Models)
- Lesson: Rename Both Fractions to Subtract (Models)
- Lesson: Rename Both Fractions to Add
- Lesson: Rename Both Fractions to Subtract
- Lesson: Add & Subtract with Unlike Denominators

**Module:** Addition and Subtraction of Mixed Numbers with Unlike Denominators

- Lesson: Add Mixed Numbers: Unlike Denominators
- Lesson: Add Mixed Numbers (Compose/Decompose)
- Lesson: Subtracting Mixed Numbers
- Lesson: Subtract Mixed Numbers (Regroup)

**Module:** Multiplication of Decimal Numbers

- Lesson: Multiply Decimals & Whole Numbers: Model
- Lesson: Multiply Decimal and Whole Numbers
- Lesson: Multiply Two Decimal Numbers: Model
- Lesson: Multiply Two Decimal Numbers

**Module:** Division of Decimal Numbers

- Lesson: Divide Decimals by Whole Numbers (Model)
- Lesson: Divide Decimals by Whole Numbers
- Lesson: Divide Whole Numbers by Decimals (Model)
- Lesson: Divide Whole Numbers by Decimal Numbers
- Lesson: Divide Decimal Numbers (Model)
- Lesson: Divide Decimal Numbers

**Module:** Patterns with Powers of 10

- Lesson: Powers of 10 (Exponents)
- Lesson: Multiplying by Powers of 10
- Lesson: Multiply by a Power of 10 (Decimal Point)
- Lesson: Divide by a Power of 10 (Decimal Point)

**Module:** Multiplication of Fractions

- Lesson: Whole Number by Fraction Multiplication (Models)
- Lesson: Whole Number by Fraction Multiplication
- Lesson: Multiply Two Fractions (Models)
- Lesson: Multiply Two Fractions
- Lesson: Word Problems: Multiply Fractions

**Module:** Multiplication of Fractions and Mixed Numbers

- Lesson: Multiplication as Scaling
- Lesson: Multiply by Fractions  $< 1$  &  $> 1$
- Lesson: Multiply Mixed Numbers

**Module:** Division of Unit Fractions

- Lesson: Divide Whole Numbers by Unit Fractions
- Lesson: Divide Unit Fractions by Whole Number
- Lesson: Division with Unit Fractions (Word Problems)



**Module:** The Order of Operations

- Lesson: Parentheses
- Lesson: Understand Order of Operations
- Lesson: Apply Order of Operations
- Lesson: Write Numerical Expressions
- Lesson: Interpret the Magnitude of Expressions

**Strand:** Geometry**Module:** Introduction to the Coordinate Plane

- Lesson: Points on the Coordinate Plane
- Lesson: Identify Ordered Pairs
- Lesson: Real World and Mathematical Problems

**Module:** Quadrilaterals

- Lesson: Recognize Quadrilaterals
- Lesson: Describe Quadrilaterals
- Lesson: Quadrilateral Hierarchy

**Strand:** Measurement**Module:** Volume

- Lesson: Volume Using Unit Cubes
- Lesson: Volume Using Multiplication
- Lesson: Volume Formula:  $l \times w \times h$
- Lesson: Volume Formula:  $B \times h$
- Lesson: Solve Volume Problems
- Lesson: Recognize Volume as Additive

**Module:** Converting Customary and Metric

- Lesson: Length Conversions
- Lesson: Word Problems with Length Conversions
- Lesson: Weight and Mass Conversions
- Lesson: Word Problems with Mass or Weight Conversions
- Lesson: Liquid Volume Conversions
- Lesson: Word Problems with Liquid Volume Conversion

**Strand:** Statistical Analysis**Module:** Line Plots

- Lesson: Line Plots with Operations (Halves)
- Lesson: Line Plots with Operations (Quarters)
- Lesson: Line Plots with Operations (Eighths)

# Level G

**Strand:** Number and Quantity**Module:** Use Integers

- Lesson: Integers and Temperature
- Lesson: Integers and Elevation
- Lesson: Integers and Money
- Lesson: Integers and Real-World Scenarios

**Module:** Integers, Absolute Value, and Opposites

- Lesson: Opposites on a Number Line
- Lesson: Opposites in Real-World Scenarios
- Lesson: Introduction to Absolute Value
- Lesson: Distance from Zero
- Lesson: Absolute Value
- Lesson: Compare Absolute Values
- Lesson: Absolute Value and Real-World Scenarios

**Module:** Compare and Order Integers

- Lesson: Compare Integers Using a Number Line
- Lesson: Integers and Inequality Using a Number Line
- Lesson: Comparison of Rational Numbers in Real-World Contexts

**Module:** Percents

- Lesson: Introduction to Percentages
- Lesson: Write Fractions Less than One as Percentages
- Lesson: Write Decimal Numbers Less than One as Percentages
- Lesson: Percentages Greater than 100% (Part 1)
- Lesson: Percentages Greater than 100% (Part 2)

**Module:** Exponents

- Lesson: Square of a Number
- Lesson: Perfect Squares
- Lesson: Cube of a Number
- Lesson: Perfect Cubes
- Lesson: Introducing Exponential Form
- Lesson: Powers of Ten
- Lesson: Evaluate Exponents with Whole-Number Bases
- Lesson: Special Exponents

- Lesson: Evaluate Exponential Expressions with Decimal-Number Bases
- Lesson: Evaluate Exponential Expressions with Fractional Bases
- Lesson: Exponents in Numerical Expressions

**Module:** Prime Factorization

- Lesson: Prime Factorization
- Lesson: Prime Factorization Using Exponents
- Lesson: Greatest Common Factor (GCF)
- Lesson: Find GCF Using Prime Factorization
- Lesson: Least Common Multiples (LCM)
- Lesson: Find LCM Using Prime Factorization

**Strand:** Algebraic Thinking

**Module:** Rational Numbers on a Number Line

- Lesson: Integers on a Number Line
- Lesson: Graphs of Integers
- Lesson: Graph Different Forms of Rational Numbers
- Lesson: Graphs of Different Forms of Rational Numbers
- Lesson: Graph Rational Numbers on the Same Number Line

**Module:** Ratios and Rates

- Lesson: What Is a Ratio?
- Lesson: Unit Rates
- Lesson: Ratios and Tape Diagrams
- Lesson: Ratios and Double Number Lines
- Lesson: Use Ratios to Solve Real-World Problems
- Lesson: Use Ratios and Tables to Solve Real-World Problems
- Lesson: Tables of Equivalent Ratios
- Lesson: Use Tables to Compare Ratios
- Lesson: Use Tables and the Coordinate Plane
- Lesson: Solve Unit Rate Problems
- Lesson: Ratios and Measurement

**Module:** Ratios and Percentages

- Lesson: Ratios and Percentages
- Lesson: Ratios, Percentages, and Unknown Parts
- Lesson: Ratios, Percentages, and Unknown Percentages
- Lesson: Ratios, Percentages, and Unknown Wholes
- Lesson: Ratios and Percentages: Real-World Problems

**Module:** Evaluate Algebraic Expressions with Whole Numbers

- Lesson: Recording Operations
- Lesson: Translating Expressions
- Lesson: Recording Operations Involving Two or More Operations
- Lesson: Parts of an Algebraic Expression
- Lesson: Need for Order of Operations
- Lesson: Order of Operations for the +I412Four Basic Operations
- Lesson: Order of Operations for Exponents
- Lesson: Order of Operations for Grouping Symbols
- Lesson: Order of Operations
- Lesson: Evaluating Formulas

**Module:** Equivalent Algebraic Expressions with Whole-Number Coefficients

- Lesson: Identify Like Terms
- Lesson: Combine Like Terms
- Lesson: Expand Expressions
- Lesson: Factor Expressions
- Lesson: Create Equivalent Expressions
- Lesson: Determine Equivalent Expressions: Simple Expressions
- Lesson: Determine Equivalent Expressions: Complex Expressions

**Module:** Solve One-Step Equations

- Lesson: What Does It Mean to Solve an Equation?
- Lesson: One-Step Equations Involving Addition/Subtraction
- Lesson: One-Step Equations Involving Multiplication/Division
- Lesson: Equations for Real-World Problems
- Lesson: Independent and Dependent Variables: Verbal Descriptions
- Lesson: Independent and Dependent Variables: Graphs and Tables
- Lesson: Use One-Step Equations: Addition and Subtraction
- Lesson: Use One-Step Equations: Multiplication and Division
- Lesson: Use One-Step Equations

**Module:** Introduction to Inequalities

- Lesson: Inequalities
- Lesson: Graph to Symbols
- Lesson: Graphing Inequalities
- Lesson: Representing Real-World Inequalities

**Strand: Operations****Module:** Operations with Multi-Digit Decimal Numbers

- Lesson: Add Multi-Digit Decimal Numbers
- Lesson: Subtract Multi-Digit Decimal Numbers
- Lesson: Multiply Multi-Digit Decimal Numbers
- Lesson: Divide by Multi-Digit Numbers
- Lesson: Divide Multi-Digit Decimal Numbers by Whole Numbers
- Lesson: Divide by Decimal Numbers

**Module:** Division of Positive Fractions

- Lesson: Model Division of Fractions and Whole Numbers
- Lesson: Model the Division of a Positive Fraction
- Lesson: Reciprocals of Positive Fractions and Whole Numbers
- Lesson: Divide Positive Fractions
- Lesson: Divide Positive Fractions and Whole Numbers

**Module:** Property of Operations

- Lesson: Find Missing Numbers Using Properties of Operations
- Lesson: Evaluate Expressions Using Properties of Operations
- Lesson: Evaluate Expressions Using the Distributive Property
- Lesson: Find Missing Numbers Using the Distributive Property
- Lesson: Use the Distributive Property to Factor
- Lesson: Use the Distributive Property with Rational Numbers

**Strand: Geometry****Module:** Coordinate Plane

- Lesson: Identify Points in the Coordinate Plane
- Lesson: Graph in the Coordinate Plane
- Lesson: Distance Between Points
- Lesson: Reflected Points
- Lesson: Graph Polygons
- Lesson: Solve Real-World Problems Using the Coordinate Plane

**Module:** 3-D Figures

- Lesson: Recognize Prisms and Pyramids
- Lesson: Identify 3-D Figures Using Nets
- Lesson: Create Nets of Rectangular Prisms
- Lesson: Create Nets of Prisms and Pyramids

**Strand: Measurement****Module:** Area of Triangles

- Lesson: Determine the Area Formula for Right Triangles
- Lesson: Solve Problems Involving the Area of Right Triangles
- Lesson: Find the Area of Non-Right Triangles

**Module:** Area of Special Quadrilaterals and Polygons

- Lesson: Determine the Area Formula for Parallelograms
- Lesson: Find the Area of Parallelograms
- Lesson: Determine the Area Formula for Trapezoids
- Lesson: Find the Area of a Trapezoid
- Lesson: Decompose into Triangles and Rectangles
- Lesson: Calculate the Area of Polygons
- Lesson: Solve Real-World Problems Involving
- Lesson: Solve Real-World Problems Involving the Area of Polygons

**Module:** Surface Area Using Nets

- Lesson: Find Surface Area of Rectangular Prisms Using Nets
- Lesson: Find Surface Area of Triangular Prisms Using Nets
- Lesson: Solve Problems Involving Surface Area Using Nets

**Module:** Volume and Fractional Edge Lengths

- Lesson: Fractional Cubes
- Lesson: Volume by Counting Fractional Cubes and Multiplying
- Lesson: Pack Rectangular Prisms with Fractional Cubes
- Lesson: Volume of Rectangular Prisms:  $V = lwh$
- Lesson: Calculate Volume in More Than One Way
- Lesson: Volume of Rectangular Prisms:  $V = Bh$
- Lesson: Solve Real-World Problems Related to Volume

**Strand: Statistical Analysis****Module:** Use Statistics

- Lesson: Statistical and Non-Statistical Questions
- Lesson: Organize Data in Tables
- Lesson: Create Line Plots and Dot Plots

**Module:** Mean, Median, Mode, Range

- Lesson: Define and Find the Mean
- Lesson: Given the Mean, Find the Unknown Data Point
- Lesson: Define and Find
- Lesson: Define and Find the Median and Mode
- Lesson: Define and Find the Range

**Module:** Central Tendency, Range, and Data Displays

- Lesson: Interpret Charts and Graphs: Find the Mean
- Lesson: Interpret Charts and Graphs: Find the Median and Mode
- Lesson: Interpret Charts and Graphs: Find the Range

**Module:** Histograms and Box Plots

- Lesson: Read and Explore Histograms
- Lesson: Interpret Histograms
- Lesson: Read, Explore, and Create Box Plots
- Lesson: Interpret Data on a Box Plot

**Module:** Summarize Numerical Data Sets

- Lesson: Describe Data: How Was It Gathered and Measured?
- Lesson: Describe Data: Patterns and Outliers
- Lesson: Describe Data: Shapes of Data Distributions
- Lesson: Describe Data: Select a Measure of Center

## Level H

**Strand:** Number & Quantity**Module:** Rational Numbers

- Lesson: Convert Fractional and Decimal Numbers
- Lesson: Terminating and Repeating Decimal Numbers
- Lesson: Approximate Rational Numbers
- Lesson: Compare Rational Numbers: Greater Than or Less Than

**Strand:** Algebraic Thinking**Module:** Word Problems with Rational Numbers

- Lesson: Solve Word Problems Using Rational Numbers: Single Form
- Lesson: Solve Word Problems Using Rational Numbers: Mixed Forms
- Lesson: Reasonable Answer? Rational Numbers/Same Form
- Lesson: Reasonable Answer? Rational Numbers/Different Forms

**Module:** Create Equivalent Algebraic Expressions with Rational Coefficients

- Lesson: Use the Order of Operations in Integer Expressions
- Lesson: Use the Order of Operations in Rational Expressions
- Lesson: Combine Like Terms: Rational Coefficients
- Lesson: Expand Expressions: Rational Coefficients
- Lesson: Factor Expressions: Rational Coefficients
- Lesson: Rewrite Algebraic Expression for Understanding

**Module:** Equivalent Algebraic Expressions with Rational Coefficients

- Lesson: Expand Expressions: Integer Coefficients
- Lesson: Factor Expressions: Integer Coefficients
- Lesson: Create Equivalent Expressions: Integer Coefficients
- Lesson: Create Equivalent Expressions: Rational Coefficients
- Lesson: Determine Equivalent Expressions: Rational Coefficients

**Module:** Solve Multi-Step Equations Algebraically

- Lesson: Two-Step Equations: Steps to Solve the Expanded Form
- Lesson: Two-Step Equations: Solve Expanded Form with Integers
- Lesson: Two-Step Equations: Expanded Form with Rational Numbers
- Lesson: Two-Step Equations: Solve the Factored Form with Integers
- Lesson: Two-Step Equations: Steps to Solve the Factored Form
- Lesson: Two-Step Equations: Factored Form with Rational Numbers
- Lesson: Solve Real-World Problems with Two-Step Equations
- Lesson: Use Arithmetic or Algebra to Find Solutions
- Lesson: Real-World Problems Involving Rational Numbers (Part 1)
- Lesson: Multi-Step Equations with Rational Coefficients
- Lesson: Real-World Problems Involving Rational Numbers (Part 2)

- Lesson: Estimate Solutions to Real-World Problems
- Lesson: Is the Solution Reasonable?

**Module:** Solve Inequalities Algebraically (**Module**

- Lesson: Solve One-Step Inequalities: Add or Subtract
- Lesson: Multiply an Inequality by Any Rational Number
- Lesson: Solve One-Step Inequalities: Multiply or Divide
- Lesson: Solve Two-Step Inequalities with Rational Numbers
- Lesson: Consider Conditions
- Lesson: Solve Real-World Inequalities

**Module:** Proportional Relationships

- Lesson: Cross Multiplication
- Lesson: Find Proportional Relationships Using Tables
- Lesson: Find Proportional Relationships Using Graphs
- Lesson: Constant of Proportionality: Tables
- Lesson: Constant of Proportionality: Diagrams
- Lesson: Constant of Proportionality: Graphs
- Lesson: Constant of Proportionality: Verbal Descriptions
- Lesson: Represent Proportional Relationships with Equations
- Lesson: Interpreting Proportional Relationships
- Lesson: Compute Unit Rates: Simple Fractions
- Lesson: Compute Unit Rates: Complex Fractions

**Module:** Use Proportional Relationships

- Lesson: Calculate Simple Interest
- Lesson: Calculate Markup and Markdown
- Lesson: Calculate Gratuities and Commissions
- Lesson: Calculate Fees
- Lesson: Calculate Taxes
- Lesson: Calculate Percent Increase and Percent Decrease
- Lesson: Calculate Percent Error

**Strand: Operations****Module:** Addition and Subtraction of Integers

- Lesson: Use Number Lines to Model Integer Addition
- Lesson: Use Two-Color Counters to Model Integer Addition
- Lesson: Add Two Integers
- Lesson: Use Number Lines to Model Integer Subtraction
- Lesson: Use Two-Color Counters to Model Integer Subtraction
- Lesson: Subtract Two Integers
- Lesson: Add or Subtract Three or More Integers

**Module:** Multiplication and Division of Integers

- Lesson: Use Number Lines to Model Integer Multiplication
- Lesson: Multiply Two Integers
- Lesson: Multiply Three or More Integers
- Lesson: Divide Integers
- Lesson: Products and Quotients of Three or More Integers
- Lesson: Integers in Real-World Situations

**Module:** Addition and Subtraction of Rational Numbers in Fractional Form

- Lesson: Write Negative Fractions Three Ways
- Lesson: Add and Subtract Signed Fractions with Like Denominators
- Lesson: Add and Subtract Signed Fractions with Unlike Denominators
- Lesson: Add Three or More Signed Fractions: Unlike Denominators
- Lesson: Add Signed Mixed Numbers
- Lesson: Subtract Signed Mixed Numbers

**Module:** Operations with Rational Numbers

- Lesson: Multiply Two Signed Fractions
- Lesson: Multiply Three or More Signed Fractions
- Lesson: Divide Signed Fractions

**Module:** Multiplication and Division of Rational Numbers Written as Mixed Numbers

- Lesson: Estimate Products and Quotients of Mixed Numbers
- Lesson: Multiply Expressions Involving Signed Mixed Numbers
- Lesson: Multiply Three or More Rational Numbers
- Lesson: Divide Expressions Involving Positive Mixed Numbers
- Lesson: Divide Expressions Involving Signed Mixed Numbers

**Module:** Operations with Rational Numbers in Decimal Form

- Lesson: Add Signed Decimal Numbers+1788
- Lesson: Add Three or More Signed Decimal Numbers
- Lesson: Subtract Signed Decimal Numbers
- Lesson: Multiply Signed Decimal Numbers
- Lesson: Divide Signed Decimal Numbers

**Module:** Addition and Multiplication Properties

- Lesson: Additive Inverse
- Lesson: Additive Property of Zero
- Lesson: The Properties and Equivalent Expressions
- Lesson: Multiplicative Inverse
- Lesson: Multiplicative Properties: One and Zero

**Strand: Geometry****Module:** Design Shapes

- Lesson: Draw Triangles Based on Conditions
- Lesson: Draw 2-D Shapes with Ruler and Protractor
- Lesson: Determine Triangles: Many, One, or None

**Module:** Unknown Angles

- Lesson: Recognize Complementary and Supplementary Angles
- Lesson: Vertical and Adjacent Angles
- Lesson: Find Unknown Angles
- Lesson: Solve Problems Using Angles

**Strand: Measurement****Module: Scale Drawings**

- Lesson: Find the Scale Factor
- Lesson: Use Scale Drawings to Compute Lengths and Perimeter
- Lesson: Use a Scale Model to Find Area
- Lesson: Identify Scale Drawings
- Lesson: Compute Length Based on a Scale Model

**Module: Circumference and Area**

- Lesson: Parts of a Circle
- Lesson: The Relationship Between Diameter and Circumference
- Lesson: Calculate the Area of a Circle
- Lesson: Solve Problems Involving Area and Circumference

**Module: Surface Area**

- Lesson: Find Surface Area of Rectangular Prisms
- Lesson: Find Surface Area of Triangular Prisms
- Lesson: Solve Problems Involving Surface Area of Prisms

**Module: Volume of Pyramids and Triangular Prisms**

- Lesson: Views of 3-D Figures
- Lesson: Identify Parts of 3-D Figures
- Lesson: Results of Slicing a Prism or Pyramid
- Lesson: Find the Volume of Triangular Prisms
- Lesson: Solve Problems Involving Volume of Triangular Prisms
- Lesson: Volume of Pyramids
- Lesson: Solve Problems To Find the Volume of Pyramids

**Strand: Statistical Analysis****Module: Simple Probability**

- Lesson: Introduce Probability
- Lesson: Simple Experimental Probability
- Lesson: Simple Theoretical Probability
- Lesson: Uniform and Non-Uniform Probabilities

**Module: Compound Probability**

- Lesson: Compound Events: Lists and Tables
- Lesson: Compound Events: Tree Diagrams
- Lesson: Compound Theoretical Probability
- Lesson: Use Compound Probability Models in the Real World

**Module: Sampling: Representative, Random, and Biased**

- Lesson: Understand Random Samples
- Lesson: Random Samples: Draw Inferences About Population
- Lesson: Multiple Samples: Gauge Variation

**Module: Measures of Variability**

- Lesson: Display and Compare Data on a Double Line or Dot Plot
- Lesson: Display and Compare Data on a Double Box Plot
- Lesson: Indicate Visual Overlap Between Means of Data Sets

**Level I****Strand: Number and Quantity****Module: Roots**

- Lesson: Square Roots of Perfect Squares
- Lesson: Estimate Square Roots
- Lesson: Cube Roots of Perfect Cubes
- Lesson: Estimate Cube Roots

**Module: Irrational Numbers**

- Lesson: What Is an Irrational Number?
- Lesson: Approximate Irrational Numbers Using a Number Line
- Lesson: Approximate Irrational Numbers

**Module: Scientific Notation**

- Lesson: Whole Numbers and Powers of 10
- Lesson: Write Large Numbers in Scientific Notation
- Lesson: Negative Exponents
- Lesson: Very Small Numbers and Powers of 10
- Lesson: Write Decimal Numbers Between 0 and 1 in Scientific Notation.

- Lesson: Estimate Using Scientific Notation

### Strand: Algebraic Thinking

#### Module: Solve Linear Equations in One Variable

- Lesson: Multi-Step Equations: Collect Like Terms
- Lesson: Multi-Step Equations: Variable on Both Sides
- Lesson: Rational Number Coefficients
- Lesson: Multi-Step Equations: Use the Distributive Property
- Lesson: One, None, Many

#### Module: Equation of a Line

- Lesson: The Slope of a Line
- Lesson: Similar Triangles and Slope
- Lesson: Find the Intercepts
- Lesson: Find the Equation for Lines through the Origin
- Lesson: Find the Equation for a Line

#### Module: Simultaneous Linear Equations

- Lesson: Simultaneous Linear Equations
- Lesson: Is It a Reasonable Solution?
- Lesson: Solve Simultaneous Equations Using Graphing
- Lesson: Solve Simultaneous Equations Using Substitution
- Lesson: No Solution or Infinite Solutions in Simple Cases
- Lesson: Applications of Systems of Linear Equations

#### Module: Introduction to Functions

- Lesson: Is It a Function? Given a Table or Set of Ordered Pairs
- Lesson: Functions: Domain and Range
- Lesson: Is It a Function? Given a Graph
- Lesson: Function Notation
- Lesson: Interpret a Qualitative Graph
- Lesson: Identify a Qualitative Graph

#### Module: Linear Functions

- Lesson: General Equation of a Linear Function
- Lesson: Linear and Nonlinear Equations
- Lesson: Linear and Nonlinear Graphs
- Lesson: Find the Rate of Change and Initial Value
- Lesson: Modeling Linear Relationships
- Lesson: Find the Rate of Change and Initial Value on a Graph
- Lesson: Find a Function Rule by Analyzing a Graph

#### Module: Analyze Functions

- Lesson: Compare Two Functions: As a Rule and As a Graph
- Lesson: Compare Two Functions: As a Rule and Verbally
- Lesson: Compare Two Functions: As a Table and As a Graph
- Lesson: Compare Two Functions

#### Module: Proportional Relationships on a Graph

- Lesson: Graph Proportional Relationships
- Lesson: Find the Unit Rate
- Lesson: Compare Proportional Relationships

### Strand: Operations

#### Module: Exponent Rules

- Lesson: Develop the Product of Powers Rule
- Lesson: Use the Product of Powers Rule
- Lesson: Use the Product of Powers Rule with Rational Numbers
- Lesson: Develop the Quotient of Powers Rule
- Lesson: Use the Quotient of Powers Rule
- Lesson: Use the Quotient of Powers Rule with Rational Numbers
- Lesson: Develop the Power of Powers Rule
- Lesson: Use the Power of Powers Rule
- Lesson: Use the Power of Powers Rule with Rational Numbers



**Module:** Operations With Scientific Notation

- Lesson: Multiplication of Numbers Written in Scientific Notation
- Lesson: Division of Numbers Written in Scientific Notation
- Lesson: Multiply and Divide Scientific Notation: Integer Exponents
- Lesson: Addition and Subtraction of Numbers Written in Scientific Notation
- Lesson: Compare Using Scientific Notation

**Strand:** Geometry**Module:** Right Triangles

- Lesson: The Pythagorean Theorem
- Lesson: Use the Pythagorean Theorem: 2-D
- Lesson: Use the Pythagorean Theorem to Find Distance
- Lesson: Solve Problems Using the Pythagorean Theorem: 2-D
- Lesson: Use the Pythagorean Theorem: 3-D
- Lesson: Solve Problems Using the Pythagorean Theorem: 3-D

**Module:** Transformations and Coordinates

- Lesson: Effects of Transformations
- Lesson: Translations in the Coordinate Plane
- Lesson: Reflections in the Coordinate Plane
- Lesson: Rotations in the Coordinate Plane
- Lesson: Dilations in the Coordinate Plane
- Lesson: Multiple Transformations in the Coordinate Plane

**Module:** Congruent and Similar Figures

- Lesson: Congruence and Transformations
- Lesson: Recognize Congruent Figures
- Lesson: Similarity and Transformations
- Lesson: Recognize Similar Figures

**Module:** Angles and Parallel Lines

- Lesson: Recognize Vertical, Adjacent, and Corresponding Angles
- Lesson: Recognize Alternate Interior and Exterior Angles
- Lesson: Find Unknown Angle Measures
- Lesson: Interior Angles of Triangles
- Lesson: Exterior Angles of Triangles

- Lesson: Angle-Angle Similarity

**Module:** Spheres, Cones, and Cylinders

- Lesson: Identify Cylinders, Cones, and Spheres
- Lesson: Parts of a Sphere
- Lesson: Parts of a Cylinder
- Lesson: Parts of a Cone

**Strand:** Measurement**Module:** Cylinders, Cones and Spheres

- Lesson: Find the Volume of a Cylinder
- Lesson: Find the Volume of a Cone
- Lesson: Find the Volume of a Sphere
- Lesson: Solve Problems: Cylinders, Cones, and Spheres

**Strand:** Statistical Analysis**Module:** Scatter Plots

- Lesson: Construct Scatter Plots
- Lesson: for Bivariate Data
- Lesson: Scatter Plots: Understand Clusters
- Lesson: Scatter Plots: Understand Outliers
- Lesson: Scatter Plots: Positive and Negative Associations
- Lesson: Scatter Plots: Linear and Nonlinear Associations

**Module:** Scatter Plots and Linear Equations

- Lesson: Lines of Best Fit
- Lesson: Interpret the y-Intercept of Linear Equations+11162
- Lesson: Interpret the Slope of Linear Equations
- Lesson: Solve Problems Using the Equation of Linear Models

**Module:** Frequency Tables

- Lesson: Understand and Construct Two-Way Tables
- Lesson: Interpret Two-Way Tables
- Lesson: Relative Frequencies