ORIGO
STEPPING STONES
COMMON CORE STATE STANDARDS

Grade 4 Program Content
April 2013

Module	Lesson	Title	Lesson	Title
1	1	Reading and Writing Four-Digit Numbers	7	Comparing and Ordering Five-Digit Numbers
	2	Analyzing Four-Digit Numbers	8	Rounding Five-Digit Numbers
	3	Comparing and Ordering Four-Digit Numbers	9	Reinforcing Rounding with Five-Digit Numbers
	4	Building a Picture of Ten Thousand	10	Investigating Square Number Patterns
	5	Reading and Writing Five-Digit Numbers	11	Following and Identifying Pattern Rules
	6	Analyzing Five-Digit Numbers	12	Writing Word Rules for Patterns
2	1	Reviewing Addition Strategies	7	Using the Standard Addition Algorithm with Large Numbers
	2	Reviewing Subtraction Strategies	8	Adding Multiple Addends
	3	Estimating with Addition and Subtraction	9	Solving Word Problems Involving Addition
	4	Reviewing the Standard Algorithm for Addition (Composing Tens)	10	Reviewing Time Measurement
	5	Using the Standard Algorithm for Addition (Composing Hundreds)	11	Converting Between Units of Time
	6	Using the Standard Algorithm for Addition (Regrouping in Any Place)	12	Introducing Seconds
3	1	Relating Multiples and Factors	7	Reinforcing the Associative and Commutative Properties of Multiplication
	2	Finding Pairs of Factors	8	Consolidating Multiplication Strategies
	3	Introducing the Double-and-Halve Strategy for Multiplication	9	Reviewing Fraction Concepts
	4	Identifying Prime and Composite Numbers	10	Reviewing Equivalent Fractions
	5	Constructing Factor Trees	11	Comparing Common Fractions (Length Model)
	6	Using the Associative and Commutative Properties of Multiplication	12	Comparing and Ordering Common Fractions (Number Line Model)
4	1	Reviewing the Standard Subtraction Algorithm (Decomposing Tens or Hundreds)	7	Solving Multi-Step Word Problems Involving Subtraction
	2	Using the Standard Subtraction Algorithm (Decomposing Multiple Places)	8	Reviewing the Relationship Between Multiplication and Division
	3	Using the Standard Subtraction Algorithm (with Large Numbers)	9	Finding Whole-Number Quotients and Remainders
	4	Analyzing Decomposition Across Places Involving Zero (with Three-Digit Numbers)	10	Investigating Multiplication Patterns
	5	Analyzing Decomposition Across Places Involving Zero (with Large Numbers)	11	Investigating Division Patterns
	6	Consolidating the Standard Subtraction Algorithm	12	Using Partitioning and Multiplication to Help Divide
5	1	Making Equivalent Fractions (Area Model)	7	Adding Common Fractions (Number Line Model)
	2	Calculating Equivalent Fractions	8	Solving Word Problems Involving Fractions
	3	Comparing Common Fractions (Related Denominators)	9	Identifying Fractions of a Full Turn
	4	Finding Common Denominators	10	Using a Protractor to Measure Angles
	5	Finding Common Denominators to Compare Common Fractions	11	Identifying Acute, Right, and Obtuse Angles
	6	Adding Common Fractions (Area Model)	12	Estimating and Calculating Angles
6	1	Introducing the Comparison Model of Multiplication	7	Exploring Whole Numbers and Common Fractions
	2	Using Tape Diagrams to Make Comparisons Involving Multiplication	8	Introducing Mixed Numbers
	3	Using Tape Diagrams to Differentiate Comparisons Involving Multiplication and Addition	9	Exploring Equivalence Between Mixed Numbers and Common Fractions
	4	Using Tape Diagrams to Explore the Relationship Between Multiplication and Division	10	Adding Mixed Numbers
	5	Using Tape Diagrams to Differentiate Between Comparisons Involving Division and Subtraction	11	Adding Mixed Numbers (Composing Whole Numbers)
	6	Solving Word Problems Using the Comparison Model	12	Solving Word Problems Involving Mixed Numbers

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Module	Lesson	Title	Lesson	Title
7	1	Using the Partial-Products Strategy to Multiply (Two-Digit Numbers)	7	Reinforcing the Partial-Products Strategy for Multiplication (Two Two-Digit Numbers)
	2	Using the Partial-Products Strategy to Multiply (Three-Digit Numbers)	8	Solving Multi-Step Word Problems Involving Multiplication
	3	Reinforcing the Partial-Products Strategy for Multiplication (Three-Digit Numbers)	9	Subtracting Common Fractions (Number Line Model)
	4	Using the Partial-Products Strategy to Multiply (Four-Digit Numbers)	10	Calculating the Difference Between Mixed Numbers
	5	Reinforcing the Partial-Products Strategy for Multiplication (Four-Digit Numbers)	11	Calculating the Difference Between Mixed Numbers (Decomposing Whole Numbers)
	6	Using the Partial-Products Strategy to Multiply (Two Two-Digit Numbers)	12	Solving Word Problems Involving Mixed Numbers and Common Fractions
8	1	Reading and Writing Six-Digit Numbers (without Teens and Zeros)	7	Exploring the Relationship Between Meters and Centimeters
	2	Reading and Writing Six-Digit Numbers on Expanders and in Words	8	Introducing Millimeters
	3	Reading and Writing Six-Digit Numbers (with Teens and Zeros)	9	Exploring the Relationship Between Meters and Millimeters
	4	Locating Six-Digit Numbers on a Number Line	10	Exploring the Relationship Between Meters, Centimeters, and Millimeters
	5	Working with Place Value	11	Introducing Kilometers
	6	Comparing and Rounding Six-Digit Numbers	12	Solving Word Problems Involving Metric Length
9	1	Developing a Rule to Calculate the Area of Rectangles	7	Multiplying Mixed Numbers
	2	Working with the Area of Rectangles	8	Reinforcing the Multiplication of Mixed Numbers
	3	Developing a Rule to Calculate the Perimeter of Rectangles	9	Reviewing Customary Units of Length
	4	Working with Rules to Calculate the Perimeter of Rectangles	10	Converting Feet to Inches
	5	Exploring the Multiplicative Nature of Common Fractions (Area Model)	11	Converting Yards to Feet and to Inches
	6	Exploring the Multiplicative Nature of Common Fractions (Number Line Model)	12	Converting Miles to Yards and to Feet
10	1	Relating Multiplication and Division	7	Reinforcing the Partial-Quotients Strategy for Division (Four-Digit Dividends)
	2	Using the Partial-Quotients Strategy to Divide (Two-Digit Dividends)	8	Solving Word Problems Involving Division
	3	Reinforcing the Partial-Quotients Strategy for Division (Two-Digit Dividends)	9	Exploring Points, Lines, Line Segments, and Rays
	4	Using the Partial-Quotients Strategy to Divide (Three-Digit Dividends)	10	Identifying Parallel and Perpendicular Lines
	5	Reinforcing the Partial-Quotients Strategy for Division (Three-Digit Dividends)	11	Reflecting Shapes
	6	Using the Partial-Quotients Strategy to Divide (Four-Digit Dividends)	12	Identifying Lines of Symmetry
11	1	Exploring Equivalent Fractions with Tenths and Hundredths	7	Comparing and Ordering Hundredths
	2	Introducing Decimal Fractions	8	Exploring the Relationship Between Kilograms and Grams
	3	Locating and Comparing Tenths	9	Solving Word Problems Involving Mass
	4	Exploring Hundredths	10	Reviewing Liters and Introducing Milliliters
	5	Writing Hundredths as Decimal Fractions (without Teens or Zeros)	11	Exploring the Relationship Between Liters and Milliliters
	6	Writing Hundredths as Decimal Fractions (with Teens and Zeros)	12	Solving Word Problems Involving Liquid Volume
12	1	Locating Decimal Fractions on a Number Line	7	Solving Word Problems Involving Decimal Fractions
	2	Comparing Tenths and Hundredths	8	Reviewing Pounds and Introducing Ounces
	3	Relating Common Fractions and Decimal Fractions	9	Exploring the Relationship Between Pounds and Ounces
	4	Adding Tenths	10	Reviewing Gallons, Quarts, and Pints and Introducing Fluid Ounces
	5	Adding Hundredths	11	Exploring the Relationship Between Gallons, Quarts, and Fluid Ounces
	6	Adding Tenths and Hundredths	12	Solving Word Problems Involving Liquid Volume (Capacity)

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