

FAME Public Charter School

Scope and Sequence: Grade 2

Subject/Unit Title: Math Unit 1				
Estimated Time Frame (#of Days): 35				
Unit 1: Number and Operation				
Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 1 Addition Facts and Strategies	Lesson 1.1 Understand Addition	Compare joining and part-part-whole meanings of addition to solve problems	AF 1.2: Relate problem situations to number sentences involving addition and subtraction. NS 2.2	<ul style="list-style-type: none"> Addition Assessment (write number sentences) Show what you know
	Lesson 1.2 Count On	Count on to recall sums	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Addition Assessment
	Lesson 1.3 Doubles and Doubles Plus One	Use doubles and doubles plus one to find sums.	NS 2.2: Find the sum or difference of two whole numbers up to three digits long. MR 1.0	<ul style="list-style-type: none"> Addition Assessment
	Lesson 1.4 Make a Ten	Make a ten to find the sum	NS 2.2: Find the sum or difference of two whole numbers up to three digits long. AF 1.0, MR 1.1	<ul style="list-style-type: none"> Addition Assessment (using tens to find answer)
	Lesson 1.5 Algebra Practice the Facts	Use patterns and strategies to recall sums	AF 1.2: Relate problem situations to number sentences involving addition and subtraction. NS 2.2, AF 1.0, MR 1.0	<ul style="list-style-type: none"> Addition Assessment (using patterns to find answers)

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 1.6 Follow the Rule	Recall sums to complete function tables	NS 2.2: Find the sum or difference of two whole numbers up to three digits long. AF 1.1	<ul style="list-style-type: none"> Addition Assessment
	Lesson 1.7 Algebra: Add 3 Numbers	Use addition strategies to find the sum of three addends	AF 1.2: Relate problem situations to number sentences involving addition and subtraction. NS 2.2,	<ul style="list-style-type: none"> Addition Assessment (Following the three rule)
	Lesson 1.8 Problem Solving Workshop Strategy: Draw a Picture	Solve problems by using the strategy draw a picture	AF 1.0: Students model, represent, and interpret number relationships to create and solve problems involving addition and subtraction. AF 1.2, NS 2.2, MR 1.0	<ul style="list-style-type: none"> Addition Assessment (find a solution by using a picture) Chapter 1 Review/Test Achieving the Standards
Chapter 2 Subtraction Facts and Strategies	Lesson 2.1 Understand Subtraction	Use separate and compare meanings of subtraction to solve problems	NS 2.2: Find the sum or difference of two whole numbers up to three digits long.	<ul style="list-style-type: none"> Subtraction Assessment Show what you know
	Lesson 2.2 Count Back	Count back to find differences	NS 2.2: Find the sum or difference of two whole numbers up to three digits long.	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 2.3 Algebra: Fact Families	Use fact families to find sums and differences	NS 2.1: Understand and use inverse relationships between addition and subtraction to solve problems and check solutions	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 2.4 Algebra: Think Addition to Subtract	Use addition to find the difference	NS 2.1: Understand and use inverse relationships between addition and subtraction to solve problems and check solutions	<ul style="list-style-type: none"> Subtraction Assessment

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 2.5 Algebra: Missing Addends	Use addition and subtraction to identify missing addends	NS 2.1: Understand and use inverse relationships between addition and subtraction to solve problems and check solutions	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 2.6 Problem Solving Workshop Skill: Choose the Operation	Solve problems by using the skill choose the operation	AF 1.2: Relate problem situations to number sentences involving addition and subtraction.	<ul style="list-style-type: none"> Subtraction Assessment Chapter 2 Review/Test Achieving the Standards
Chapter 3 Place Value to 100	Lesson 3.1 Tens	Count and group ones into tens to identify the number of tens	NS 1.2: Use words, models, and expanded forms to represent numbers (to 1,000)	<ul style="list-style-type: none"> Show what you know Tens and ones assessment
	Lesson 3.2 Tens and Ones	Model and identify tens and ones	NS 1.2: Use words, models, and expanded forms to represent numbers (to 1,000)	<ul style="list-style-type: none"> Model tens and ones assessment
	Lesson 3.3 Understand Place Value	Use place value to describe the value of digits in numbers	NS 1.1: Count, read, and write whole numbers to 1,000 and identify the place value for each digit	<ul style="list-style-type: none"> Place value assessment
	Lesson 3.4 Expanded Form	Use place value to understand the meaning of digits in numbers	NS 1.2: Use words, models, and expanded forms to represent numbers (to 1,000)	<ul style="list-style-type: none"> Place value assessment
	Lesson 3.5 Read and Write Numbers to 100	Understand different ways to read and write numbers	NS 1.1: Count, read, and write whole numbers to 1,000 and identify the place value for each digit	<ul style="list-style-type: none"> Write a number in three different ways
	Lesson 3.6 Different Ways to Show Numbers	Understand that numbers can be modeled in different ways	NS 1.2: Use words, models, and expanded forms to represent numbers (to 1,000)	<ul style="list-style-type: none"> Model a number in a different way

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 3.7 Problem Solving Workshop Skill: Make Reasonable Estimates	Solve problems by using the skill make reasonable estimates	NS 6.0: Students use estimation strategies in computation and problem solving that involve numbers that use the ones, tens, hundreds, and thousands places	<ul style="list-style-type: none"> Estimate assessment Chapter 3 Review/Test Achieving the Standards
Chapter 4 Number Concepts and Patterns	Lesson 4.1 Algebra: Compare Numbers (>, <, or =)	Compare 2-digit numbers using >, <, or =	NS 1.3: Order and compare whole numbers to 1,000 by using the symbols <, =, >.	<ul style="list-style-type: none"> Show what you know Comparing numbers assessment
	Lesson 4.2 Algebra: Order 2-digit numbers	Order 2-digit numbers	NS 1.3: Order and compare whole numbers to 1,000 by using the symbols <, =, >.	<ul style="list-style-type: none"> Comparing numbers assessment
	Lesson 4.3 Even and Odd Numbers	Model even and odd numbers to recognize patterns	SDAP 2.0: Students demonstrate an understanding of patterns and how patterns grow and describe them in general ways	<ul style="list-style-type: none"> Comparing numbers assessment
	Lesson 4.4 Algebra: Patterns on a Hundred Chart	Identify patterns on a hundred chart	SDAP 2.2: Solve problems involving simple number patterns	<ul style="list-style-type: none"> Counting by threes and fours assessment
	Lesson 4.5 Algebra: Skip-Count on a Number Line	Identify skip-counting patterns to extend them	SDAP 2.2: Solve problems involving simple number patterns	<ul style="list-style-type: none"> Number line assessment
	Lesson 4.6 Problem Solving Workshop Strategy: Find a Pattern	Solve problems by using the strategy find a pattern	SDAP 2.2: Solve problems involving simple number patterns	<ul style="list-style-type: none"> Word problem assessment
	Lesson 4.7 Algebra: Number Patterns	Skip-count by twos, fives, and tens starting from different numbers	SDAP 2.0: Students demonstrate an understanding of patterns and how patterns grow and describe them in general ways	<ul style="list-style-type: none"> Skip counting assessment

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Subject/Unit Title: Math Unit 2				
Estimated Time Frame (#of Days): 33				
Unit 2: 2-Digit Addition and Subtraction				
Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 5 Addition Facts and Strategies	Lesson 5.1 Add On Multiples of Ten	Count on by tens to add multiples of ten	NS 2.3: Use mental arithmetic to find the sum or difference of two two-digit numbers	<ul style="list-style-type: none"> Show what you know Addition Assessment
	Lesson 5.2 Regrouping for Addition	Model 2-digit addition with an without regrouping	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Addition Assessment
	Lesson 5.3 Model 2-Digit Addition	Model 2-digit addition to find sums	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Addition Assessment
	Lesson 5.4 Problem Solving Workshop Strategy: Make a Model	Solve problems by using the strategy make a model	AF 1.0: Students model, represent, and interpret number relationships to create and solve problems involving addition and subtraction	<ul style="list-style-type: none"> Addition Assessment
	Lesson 5.5 Model and Record 2 Digit Addition	Record sums for models of 2-digit addition	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Addition Assessment
	Lesson 5.6 2-Digit Addition	Record sums for models of 2-digit addition	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Chapter 5 Review/Test Performance Assessment Addition Assessment Unit Review Test

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 6 2-Digit Addition	Lesson 6.1 Add 2-Digit Numbers	Add 2-digit numbers with and without regrouping	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Show what you know Addition Assessment
	Lesson 6.2 Practice 2 Digit Numbers	Model 2-digit addition with and without regrouping	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Addition Assessment
	Lesson 6.3 Rewrite 2-Digit Addition	Rewrite addition exercises from horizontal to vertical formats	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Addition Assessment
	Lesson 6.4 Estimate Sums	Estimate sums in 2-digit addition	NS 2.0: Students estimate, calculate, and solve problems involving addition and subtraction of two and three digit numbers	<ul style="list-style-type: none"> Addition Assessment
	Lesson 6.5 More 2-Digit Addition	Practice 2-digit addition with and without regrouping	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Addition Assessment
	Lesson 6.6 Problem Solving Workshop Skill: Use a Table	Solve problems by using the skill use a table	NS 2.0: Students estimate, calculate, and solve problems involving addition and subtraction of two and three digit numbers	<ul style="list-style-type: none"> Addition Assessment
	Lesson 6.7 Algebra: Break Apart Numbers to Add	Use mental math to add 2-digit numbers	NS 2.3: Use mental arithmetic to find the sum or difference of two two-digit numbers	<ul style="list-style-type: none"> Chapter 6 Review/Test Achieving the Standards Addition Assessment

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 7 2-Digit Subtraction	Lesson 7.1 Subtract Multiples of 10	Count back by tens to subtract multiples of ten	NS 2.3: Use mental arithmetic to find the sum or difference of two two-digit numbers	<ul style="list-style-type: none"> Show what you know Subtraction Assessment
	Lesson 7.2 Regrouping for Subtraction	Model subtracting 1-digit numbers from 2-digit numbers	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 7.3 Model 2-Digit Subtraction	Model subtracting 2-digit numbers from 2-digit numbers	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 7.4 Problem Solving Workshop Skill: Make a Model	Solve problems by using the strategy make a model	AF 1.0: Students model, represent, and interpret number relationships to create and solve problems involving addition and subtraction	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 7.5 Model and Record 2-Digit Subtraction	Model and record subtraction of 1-digit numbers from 2-digit numbers	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 7.6 Subtract 2-Digit Numbers	Model and record subtraction of 2-digit numbers from 2-digit numbers	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Chapter 7 Review/Test Achieving the Standards Subtraction Assessment
	Chapter 8 2-Digit Subtraction	Lesson 8.1 2-Digit Subtraction	Model 2-digit subtraction to find differences	NS 2.2: Find the sum or difference of two whole numbers up to three digits long

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 8.2 Practice 2-Digit Subtraction	Find differences in 2-digit subtraction with and without regrouping	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 8.3 Rewrite 2-Digit Subtraction	Rewrite subtraction problems from horizontal to vertical formats	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 8.4 More 2-Digit Subtraction	Practice 2-digit subtraction with and without regrouping	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 8.5 Use Addition to Check Subtraction	Check differences using the inverse operation of addition	NS 2.1: Understand and use the inverse relationship between addition and subtraction to solve problems and check solutions	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 8.6 Estimate Differences	Estimate differences in 2-digit subtraction	NS 2.0: Students, estimate, calculate, and solve problems involving addition and subtraction of two- and three-digit numbers	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 8.7 Problem Solving Workshop Skill: Use a Table	Solve problems using the skill use a table	AF 1.3: Solve addition and subtraction problems by using data from simple charts, picture graphs, and number sentences	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 8.8 Find Differences	Use mental math to find differences	NS 2.3: Use mental arithmetic to find the sum or difference of two two-digit numbers	<ul style="list-style-type: none"> Subtraction Assessment

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	Lesson 8.9 Mixed Practice	Practice 2-digit addition and subtraction	NS 2.2: Find the sum or difference of two whole numbers up to three digits long	<ul style="list-style-type: none">• Subtraction Assessment• Chapter 8 Review/Test• Performance Assessment• Unit Review/Test
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Subject/Unit Title: Math Unit 3				
Estimated Time Frame (#of Days): 27				
Unit 3: Data, Graphs, and Money				
Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 9 Data, Graphs, and Money	Lesson 9.1 Picture Graphs	Read picture graphs to find information	AF 1.3: Solve addition and subtraction problems by using data from simple charts, picture graphs, and number sentences	<ul style="list-style-type: none"> Show what you know Graph assessment
	Lesson 9.2 Take a Survey on a Tally Chart	Record the results of surveys in tally charts and a picture graph	SDAP 1.0: Students collect numerical data and record, organize, display, and interpret the data on bar graphs and other representations	<ul style="list-style-type: none"> Graph assessment
	Lesson 9.3 Read a Bar Graph	Read bar graphs to find information	SDAP 1.0: Students collect numerical data and record, organize, display, and interpret the data on bar graphs and other representations	<ul style="list-style-type: none"> Graph assessment
	Lesson 9.4 Make a Bar Graph	Represent data in a table and in a bar graph	SDAP 1.0: Students collect numerical data and record, organize, display, and interpret the data on bar graphs and other representations	<ul style="list-style-type: none"> Graph assessment
	Lesson 9.5 Problem Solving Workshop Strategy: Make a Bar Graph	Solve problems by using the strategy make a bar graph	SDAP 1.0: Students collect numerical data and record, organize, display, and interpret the data on bar graphs and other representations	<ul style="list-style-type: none"> Graph assessment
	Lesson 9.6 Pictographs	Understand data shown in a pictograph	SDAP 1.4: Ask and answer simple questions related to data representations	<ul style="list-style-type: none"> Graph assessment

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 9.7 Range and Mode	Find the range and mode for a set of data	SDAP 1.3: Identify features of data sets (range and mode)	<ul style="list-style-type: none"> Chapter 9 Review/Test Achieving the Standards
Chapter 10 Count Money	Lesson 10.1 Dimes, Nickels, and Pennies	Count collection of dimes, nickels, and pennies to 50 cents	NS 5.2: Know and use the decimal notation and the dollar and cent symbols for money	<ul style="list-style-type: none"> Money assessment Show what you know
	Lesson 10.2 Half Dollars and Quarters	Count mixed collections of coins including half dollars and quarters	NS 5.2: Know and use the decimal notation and the dollar and cent symbols for money	<ul style="list-style-type: none"> Money assessment
	Lesson 10.3 Count Collections	Order collections of coins by value to find the total value	NS 5.2: Know and use the decimal notation and the dollar and cent symbols for money	<ul style="list-style-type: none"> Money assessment
	Lesson 10.4 Make the Same Amounts	Model the same amount using different combinations of coins	NS 5.2: Know and use the decimal notation and the dollar and cent symbols for money	<ul style="list-style-type: none"> Money assessment
	Lesson 10.5 Problem Solving Workshop Strategy: Make a List	Solve problems by using the strategy make a list	NS 5.1: Solve problems using combinations of coins and bills	<ul style="list-style-type: none"> Chapter 10 Review/Test Achieving the Standards Solve a word problem assessment
Chapter 11 Use Money	Lesson 11.1 Algebra: Compare Amounts	Compare the total values of collections of coins	NS 5.0: Students model and solve problems by representing, adding, and subtracting amounts of money	<ul style="list-style-type: none"> Money assessment Show what you know
	Lesson 11.2 Problem Solving Workshop Strategy: Act It Out	Solve problems by using the strategy act it out	NS 5.0: Students model and solve problems by representing, adding, and subtracting amounts of money	<ul style="list-style-type: none"> Money assessment

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 11.3 Add and Subtract Money	Add and subtract money amounts less than one dollar	NS 5.0: Students model and solve problems by representing, adding, and subtracting amounts of money	<ul style="list-style-type: none"> • Money assessment
	Lesson 11.4 Problem Solving Workshop Strategy: Predict and Test	Solve problems by using the strategy predict and test	NS 5.0: Students model and solve problems by representing, adding, and subtracting amounts of money	<ul style="list-style-type: none"> • Money assessment
	Lesson 11.5 One Dollar	Know and use the decimal notation and the dollar and cent symbols for money	NS 5.2: Know and use the decimal notation and dollar and cent symbols for money	<ul style="list-style-type: none"> • Money assessment
	Lesson 11.6 Make Change to \$1.00	Count on from amount tendered to determine the change	NS 5.0: Students model and solve problems by representing, adding, and subtracting amounts of money	<ul style="list-style-type: none"> • Chapter 11 Review/Test • Performance Assessment • Unit Review Test

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Subject/Unit Title: Math Unit 4				
Estimated Time Frame (#of Days): 30				
Unit 4: Geometry and Fractions				
Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 12 Solid Figures	Lesson 12.1 Identify Solid Figures	Identify solid figures	MG 2.0: Students identify and describe the attributes of common figures in the plane and of common objects in space	<ul style="list-style-type: none"> Show what you know Geometry assessment
	Lesson 12.2 Algebra: Sort Solid Figures	Sort figures by their flat and curved surface	MG 2.0: Students identify and describe the attributes of common figures in the plane and of common objects in space	<ul style="list-style-type: none"> Geometry assessment
	Lesson 12.3 Attributes of Solid Figures	Describe attributes of solid figures	MG 2.1: Describe and classify plane and solid geometric shapes according to the number and shapes of faces, edges, and vertices. MG 2.0	<ul style="list-style-type: none"> Geometry assessment
	Lesson 12.4 Make Plane Figures from Solid Figures	Make plane figures from solid figures	MG 2.0: Students identify and describe the attributes of common figures in the plane and of common objects in space	<ul style="list-style-type: none"> Geometry assessment
	Lesson 12.5 Problem Solving Workshop Strategy: Make a Table	Solve problems by using the strategy make a table	MG 2.0: Students identify and describe the attributes of common figures in the plane and of common objects in space	<ul style="list-style-type: none"> Chapter 12 Review/test Achieving the Standards Geometry assessment

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 13 Plane Figures and Spatial Sense	Lesson 13.1 Identify Plane Figures	Identify solid figures	MG 2.0: Students identify and describe the attributes of common figures in the plane and of common objects in space	<ul style="list-style-type: none"> Show what you know Geometry assessment
	Lesson 13.2 Algebra: Sort Plane Figures	Describe and classify plane figures	MG 2.1: Describe and classify plane and solid geometric shapes according to the number and shapes of faces, edges, and vertices. MG 2.0	<ul style="list-style-type: none"> Geometry assessment
	Lesson 13.3 Combine Plane Figures	Combine plane figures to make new figures	MG 2.2: Put shapes together and take them apart to form other shapes.	<ul style="list-style-type: none"> Geometry assessment
	Lesson 13.4 Separate Plane Figure	Separate plane figures to make new figures	MG 2.2: Put shapes together and take them apart to form other shapes.	<ul style="list-style-type: none"> Geometry assessment
	Lesson 13.5 Problem Solving Workshop Strategy: Use Logical Reasoning	Solve problems by using the strategy use logical reasoning	MG 2.1: Describe and classify plane and solid geometric shapes according to the number and shapes of faces, edges, and vertices. MG 2.0	<ul style="list-style-type: none"> Geometry assessment
	Lesson 13.6 Congruent Figures	Use attributes to describe how two figures are congruent	MG 2.0: Students identify and describe the attributes of common figures in the plane and of common objects in space	<ul style="list-style-type: none"> Chapter 13 Review/Test Achieving the Standards Geometry assessment
Chapter 14 Parts of a Whole	Lesson 14.1 Equal Parts	Explore equal parts of a whole	NS 4.0: Students understand that fractions and decimals may refer to parts of a set parts of whole	<ul style="list-style-type: none"> Show what you know Fraction assessment
	Lesson 14.2 Unit Fractions	Identify fractions for 1 equal part of a whole	NS 4.1: Recognize, name, and compare unit fractions from $\frac{1}{12}$ to $\frac{1}{2}$.	<ul style="list-style-type: none"> Fraction assessment

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 14.3 Compare Unit Fractions	Compare unit fractions by using models	NS 4.1: Recognize, name, and compare unit fractions from $\frac{1}{12}$ to $\frac{1}{2}$.	<ul style="list-style-type: none"> Fraction assessment
	Lesson 14.4 Problem Solving Workshop Strategy: Make a Model	Solve problems by using the strategy make a model	NS 4.1: Recognize, name, and compare unit fractions from $\frac{1}{12}$ to $\frac{1}{2}$.	<ul style="list-style-type: none"> Fraction assessment
	Lesson 14.5 Other Fractions	Identify fractions that represent more than 1 equal part of a whole	NS 4.2: Recognize fractions of a whole and parts of a group (e.g. one-fourth of a pie, two-thirds of 15 balls)	<ul style="list-style-type: none"> Fraction assessment
	Lesson 14.6 Fractions Equal to 1	Identify fractions that describe a whole and are equal to 1	NS 4.3: Know that when all fractional parts are included, such as four-fourths, the result is equal to the whole and to one	<ul style="list-style-type: none"> Fraction assessment
	Lesson 14.7 Fractions Greater Than 1	Write fractions that describe an amount greater than 1.	NS 4.0: Students understand that fractions and decimals may refer to parts of a set parts of whole	<ul style="list-style-type: none"> Fraction assessment Chapter 14 Review/Test Achieving the Standards
Chapter 15 Parts of a Group	Lesson 15.1 Equal Parts of a Group	Explore fractions as equal parts	NS 4.0: Students understand that fractions and decimals may refer to parts of a set parts of whole	<ul style="list-style-type: none"> Fraction assessment Show what you know
	Lesson 15.2 Unit Fractions of a Group	Model and write fractions for 1 equal part of a group	NS 4.2: Recognize fractions of a whole and parts of a group (e.g. one-fourth of a pie, two-thirds of 15 balls)	<ul style="list-style-type: none"> Fraction assessment
	Lesson 15.3 Other Fractions of a Group	Identify fractions that name more than 1 equal part of a group	NS 4.2: Recognize fractions of a whole and parts of a group (e.g. one-fourth of a pie, two-thirds of 15 balls)	<ul style="list-style-type: none"> Fraction assessment

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 15.4 Problem Solving Workshop Strategy: Make a Model	Solve problems by using the strategy make a model	NS 4.2: Recognize fractions of a whole and parts of a group (e.g. one-fourth of a pie, two- thirds of 15 balls)	<ul style="list-style-type: none">• Chapter 15 Review/Test• Unit Review Test• Fraction Assessment• Performance assessment

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Subject/Unit Title: Math Unit 5				
Estimated Time Frame (#of Days): 30				
Unit 5: Greater Numbers and 3-Digit Addition and Subtraction				
Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 16 Place Value to 1,000	Lesson 16.1 Hundreds	Understand hundreds as groups of tens	NS 1.2: Use words, models, and expanded forms to represent numbers (to 1,000)	<ul style="list-style-type: none"> Show what you know Place value assessment
	Lesson 16.2 Hundreds, Tens, and Ones	Use models to identify the number of hundreds, tens, and ones of 3-digit numbers	NS 1.2: Use words, models, and expanded forms to represent numbers (to 1,000)	<ul style="list-style-type: none"> Place value assessment
	Lesson 16.3 Understand Place Value	Identify the place value of digits in 3-digit numbers	NS 1.0: Students understand the relationship between numbers, quantities, and place value in whole numbers up to 1,000.	<ul style="list-style-type: none"> Place value assessment
	Lesson 16.4 Read and Write 3-Digit Numbers	Read and write 3-digit numbers in different ways	NS 1.2: Use words, models, and expanded forms to represent numbers (to 1,000)	<ul style="list-style-type: none"> Place value assessment
	Lesson 16.5 Different Ways to Show Numbers	Understand that numbers can be modeled in different ways	NS 1.2: Use words, models, and expanded forms to represent numbers (to 1,000)	<ul style="list-style-type: none"> Place value assessment
	Lesson 16.6 Problem Solving Workshop Skill: Make a Reasonable Estimates	Solve problems by using the skill make reasonable estimates	NS 6.0: Students use estimation strategies in computation and problem solving that involve numbers that use the ones, tens, hundreds, and thousands places	<ul style="list-style-type: none"> Place value assessment
	Lesson 16.7 Count Bills and Coins	Count and write money amounts greater than one dollar	NS 5.2: Know and use the decimal notation and the dollar & cent symbols for money	<ul style="list-style-type: none"> Place value assessment

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 16.8 Problem Solving Workshop Strategy: Make a Model	Solve problems by using the strategy make a model	NS 5.1: Solve problems using combination of coins and bills	<ul style="list-style-type: none"> Achieving the standards Place value assessment Chapter 16 Review/Test
Chapter 17 Compare and Order Greater Numbers	Lesson 17.1 Algebra: Compare Numbers: $>$, $<$, or $=$	Use the greater than, less than, and equal symbols to compare 3-digit numbers	NS 1.3: Order and compare whole numbers to 1,000 by using the symbols $<$, $>$, or $=$	<ul style="list-style-type: none"> Show what you know Place value assessment
	Lesson 17.2 Use Place Value to Compare Numbers	Use place value to compare numbers	NS 1.3: Order and compare whole numbers to 1,000 by using the symbols $<$, $>$, or $=$	<ul style="list-style-type: none"> Place value assessment
	Lesson 17.3 Compare Money Accounts	Compare values of sets of money.	NS 5.1: Solve problems using combination of coins and bills	<ul style="list-style-type: none"> Place value assessment
	Lesson 17.4 Algebra: Order Numbers	Write 3-digit numbers from greatest to least and from least to greatest	NS 1.3: Order and compare whole numbers to 1,000 by using the symbols $<$, $>$, or $=$	<ul style="list-style-type: none"> Place value assessment
	Lesson 17.5 Problem Solving Workshop Skill: Use a Table	Solve problems by using the skill use a table	NS 1.3: Order and compare whole numbers to 1,000 by using the symbols $<$, $>$, or $=$	<ul style="list-style-type: none"> Place value assessment Chapter 17 Review/Test Achieving the Standards
Chapter 18 3-Digit Addition	Lesson 18.1 Add On Multiples of 100	Count on by hundreds to add multiples of 100	NS 2.2: Find the sum or difference of two whole umbers up to three digits long.	<ul style="list-style-type: none"> Show what you know Addition assessment
	Lesson 18.2 Model 3-Digit Addition: Regrouping Ones	Explore 3-digit addition with and without regrouping ones	NS 2.2: Find the sum or difference of two whole umbers up to three digits long.	<ul style="list-style-type: none"> Addition assessment
	Lesson 18.3 Model 3-Digit Addition: Regrouping Ones	Explore 3-digit addition with and without regrouping tens	NS 2.2: Find the sum or difference of two whole umbers up to three digits long.	<ul style="list-style-type: none"> Addition assessment

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 18.4 Practice 3-Digit Addition	Practice 3-digit addition with and without regrouping	NS 2.2: Find the sum or difference of two whole numbers up to three digits long.	<ul style="list-style-type: none"> Addition assessment
	Lesson 18.5 Estimate Sums	Estimate sums for 3-digit addition	NS 6.0: Students use estimation strategies in computation and problem solving that involve numbers that use the ones, tens, hundreds, and thousands place	<ul style="list-style-type: none"> Addition assessment
	Lesson 18.6 Problem Solving Workshop Skill: Too Much Information	Solve problems by using the skill too much information	NS 2.0: Students estimate, calculate, and solve problems involving addition and subtraction of two-and-three digit numbers	<ul style="list-style-type: none"> Achieving the Standards Chapter 18 Review/Test Addition assessment
Chapter 19 3-Digit Subtraction	Lesson 19.1 Subtract Multiples of 100	Count back by hundreds to subtract multiples of 100	NS 2.2: Find the sum or difference of two whole numbers up to three digits long.	<ul style="list-style-type: none"> Show what you know Subtraction assessment
	Lesson 19.2 Model 3-Digit Subtraction: Regrouping Tens	Explore 3-digit subtraction with possible regrouping of tens	NS 2.2: Find the sum or difference of two whole numbers up to three digits long.	<ul style="list-style-type: none"> Subtraction assessment
	Lesson 19.3: Model 3-Digit Subtraction: Regroup Hundreds	Explore 3-digit subtraction with possible regrouping of hundreds	NS 2.2: Find the sum or difference of two whole numbers up to three digits long.	<ul style="list-style-type: none"> Subtraction assessment
	Lesson 19.4 Practice 3-Digit Subtraction	Practice 3-digit subtraction with and without regrouping	NS 2.2: Find the sum or difference of two whole numbers up to three digits long.	<ul style="list-style-type: none"> Subtraction assessment
	Lesson 19.5 Add and Subtract Money	Add and subtract money amounts in decimal notation	NS 5.0: Students model and solve problems by representing , adding, and subtracting amounts of money	<ul style="list-style-type: none"> Subtraction assessment

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Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 19.6 Problem Solving Workshop Skill: Solve Multistep Problems	Solve problems by using the skill solve multistep problems	NS 5.0: Students model and solve problems by representing , adding, and subtracting amounts of money	<ul style="list-style-type: none">• Subtraction assessment
	Lesson 19.7 Estimate Differences	Estimate differences for 3- digit subtraction	NS 6.0: Students use estimation strategies in computation and problem solving that involve numbers that use the ones, tens, hundreds, and thousands place	<ul style="list-style-type: none">• Performance Assessment• Unit Review/Test• Chapter 19 Review/Test• Subtraction Assessment