

FAME Public Charter School

Scope and Sequence: Grade 1

Subject/Unit Title: Math Unit 1				
Estimated Time Frame (#of Days): 30 days				
Unit 1: Number Sense and Operations				
Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 1 Number Sense	Lesson 1.1 Numbers to 10	Count, read, and write numbers up to 10.	NS 1.1: Count, read, and write whole numbers to 100	<ul style="list-style-type: none"> Number Sense Assessment Show what you know
	Lesson 1.2 Numbers to 20	Count, read, and write numbers up to 20.	NS 1.1: Count, read, and write whole numbers to 100	<ul style="list-style-type: none"> Number Sense Assessment
	Lesson 1.3 Compare Numbers to 20	Compare numbers to 20	NS 1.2: Compare and order whole number to 100 by using the symbols for less than equal to, or greater than, <i>also</i> MR 1.2	<ul style="list-style-type: none"> Manipulative Assessment
	Lesson 1.4 Order Numbers to 20	Order numbers to 20	NS 1.2: Compare and order whole number to 100 by using the symbols for less than equal to, or greater than, <i>also</i> MR 1.2	<ul style="list-style-type: none"> Number Sense Assessment
	Lesson 1.5 Problem Solving Workshop Skill: Use Data from a Graph	Solve problems by using the skill <i>use data from graph</i>	SDAP 1.2: Represent and compare data (e.g., largest, smallest, most often, least often) by using pictures, bar graphs, tally charts, and picture graphs <i>also</i> MR 1.2, MR2.1, NS 1.2, NS 1.2	<ul style="list-style-type: none"> Number Sense Assessment Chapter 1 Review/ Assessment. Achieving the Standards

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 2 Addition Concepts	Lesson 2.1 Model Joining	Use the joining concept to model and solve addition problems with concrete objects.	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taken away, comparing, finding the difference). <i>also</i> MR 1.2	<ul style="list-style-type: none"> Number Sense/Counting Assessment Show what you know
	Lesson 2.2 Use Symbols to Add	Use pictures and symbols to write addition sentences.	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taken away, comparing, finding the difference). <i>Also</i> AF 1.2	<ul style="list-style-type: none"> Number Sense Assessment
	Lesson 2.3 Model Part-Part-Whole	Use the part-part whole concept to model and solve addition problems with concrete objects.	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taken away, comparing, finding the difference). <i>also</i> MR 1.2	<ul style="list-style-type: none"> Number Sense Assessment
	Lesson 2.4 Algebra: Add 0	Understand and apply the Zero Property for Addition.	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taken away, comparing, finding the difference). <i>also</i> MR 1.2 and AF 1.2	<ul style="list-style-type: none"> Number Sense Assessment
	Lesson 2.5 Algebra: Add in Any Order	Explore the Order Property for Addition.	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taken away, comparing, finding the difference). <i>also</i> MR 1.2	<ul style="list-style-type: none"> Number Sense Assessment

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 2.6 Algebra: Ways to Make Numbers to 8	Write addition sentences to show different ways to make numbers to 8.	NS 1.3: Represent equivalent forms of the same number through the use of physical models, diagrams, and number expressions	<ul style="list-style-type: none"> Number Sense Assessment
	Lesson 2.7 Vertical Addition Sentences	Write vertical addition sentences.	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference.)	<ul style="list-style-type: none"> Number Sense Assessment
	Lesson 2.8 Problem Solving Workshop Strategy: Make a Model	Solve problems by using the strategy make a model.	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference.) also MR 2.2	<ul style="list-style-type: none"> Number Sense Assessment Chapter 2 Review/Assessment Achieving the Standards
Chapter 3 Subtraction Concepts	Lesson 3.1 Model Separating	Model and solve take-away problem situations using concrete objects.	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference.) also MR 1.2	<ul style="list-style-type: none"> Show what you know Subtraction Assessment
	Lesson 3.2 Use Symbols to Subtract	Use pictures to write subtraction sentences.	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference.) also AF 1.2	<ul style="list-style-type: none"> Subtraction Assessment
	3.3 Algebra: Subtract All or 0	Identify how many are left when subtracting all or 0.	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference.) also AF 1.2, MR 1.2	<ul style="list-style-type: none"> Subtraction Assessment

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 3.4 Algebra: Take apart Numbers from 8 or Less	Model and record ways to subtract from 7 and 8.	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference.) also MR 1.2	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 3.5 Vertical Subtraction Sentences	Write vertical subtraction sentences	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference.)	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 3.6 Model Part-Part-Whole	Use the part-part-whole concept of subtraction to model and solve problems with concrete objects	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference.) also MR 1.2	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 3.7 Subtract to Compare	Model and compare to show the meaning of subtraction	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference.) also MR 1.2	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 3.8 Problem Solving Workshop Strategy: Make a Model	Solve problems by using the strategy make a model	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference.) also MR 1.2	<ul style="list-style-type: none"> Subtraction Assessment Chapter 3 Review/Test Achieving the Standards

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 4 Understand Addition and Subtraction	Lesson 4.1 Create Addition and Subtraction Problems	Identify addition and subtraction problem situations	AF 1.3: Create problems situations that might lead to given number sentences involving addition and subtraction. MR 1.2, MR 3.0, NS 2.5	<ul style="list-style-type: none"> Addition/Subtraction Assessment
	Lesson 4.2 Model Addition and Subtraction	Explore how addition and subtraction are related	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory. NS 2.2, MR 1.2	<ul style="list-style-type: none"> Addition/Subtraction Assessment
	Lesson 4.3 Related Facts	Identify and write related facts	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory. NS 2.2, MR 1.2	<ul style="list-style-type: none"> Addition/Subtraction Assessment
	Lesson 4.4 Write Addition and Subtraction Sentences	Write number sentences to represent addition and subtraction situations	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference.) also MR 1.2, NS 2.2	<ul style="list-style-type: none"> Addition/Subtraction Assessment
	Lesson 4.5 Problem Solving Workshop Skill: Choose the Operation	Solve problems by using the skill choose the operation	AF 1.1: Write and solve number sentences from problem situation that express relationships involving addition and subtraction. AF 1.2, MR 1.1, MR 2.2	<ul style="list-style-type: none"> Performance Assessment Chapter 4 Review/Test Unit Review/Test Addition/Subtraction Assessment

FAME Public Charter School

Scope and Sequence: Grade 1

Subject/Unit Title: Math Unit 2				
Estimated Time Frame (#of Days): 30 days				
Unit 2: Addition and Subtraction Facts to 12				
Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 5 Addition Strategies to 12	Lesson 5.1 Count on 1 or 2	Count on 1 or 2 to find sums	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Show what you know Addition Assessment
	Lesson 5.2 Use a Number Line to Count On	Use a number line to count on using small numbers to find sums to 12	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Addition Assessment
	Lesson 5.3 Count On Practice	Count on from the greater number	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Addition Assessment
	Lesson 5.4 Add Doubles	Use doubles as a strategy to solve addition facts through 12	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memo. MR 1.2	<ul style="list-style-type: none"> Addition Assessment
	Lesson 5.5 Count On and Doubles Practice	Use the strategies count on and doubles to practice facts to 12	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Addition Assessment

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 5.6 Problem Solving Workshop Strategy: Draw a Picture	Solve problems by using the strategy draw a picture	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory. MR 1.2, MR 2.2, NS 2.2	<ul style="list-style-type: none"> Addition Assessment Chapter 5 Review/Test Achieving the Standards
Chapter 6 More Addition Strategies to 12	Lesson 6.1 Algebra: Add in Any Order	Understand and apply the Order Property of Addition	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Addition Assessment Show what you know
	Lesson 6.2 Doubles and Doubles Plus 1	Use doubles and doubles plus one as strategies to find sums to 12	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory. MR 1.2	<ul style="list-style-type: none"> Addition Assessment
	Lesson 6.3 Practice Doubles Plus 1	Practice finding sums to 12 using the strategy doubles plus one	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Addition Assessment
	Lesson 6.4 Practice the Strategies	Use the strategies add in any order and doubles plus one to practice addition facts to 12	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Addition Assessment
	Lesson 6.5 Problem Solving Workshop Strategy: Draw a Picture	Solve problems by using the strategy draw a picture	AF 1.1: Write and solve number sentences from problem situation that express relationships involving addition and subtraction. MR 1.1, MR 2.2	<ul style="list-style-type: none"> Achieving the Standards Chapter 6 Review/Test Addition Assessment

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 7 Subtraction Strategies to 12	Lesson 7.1 Use a Number Line to Count Back 1 and 2	Count back 1 or 2 to subtract from 12 or less	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Show what you know Subtraction Assessment
	Lesson 7.2 Use a Number Line to Count back 3	Subtract from 12 or less using a number line to count back	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 7.3 Think Addition to Subtract	Use addition as a strategy to subtract numbers from 12 or less	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 7.4 Practice the Strategies	Use the strategies count back and think addition to subtract to practice subtraction facts	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Subtraction Assessment
	Lesson 7.5 Problem Solving Workshop Strategy: Write a Number Sentence	Solve problems by using the strategy write a number sentence	AF 1.1: Write and solve number sentences from problem situation that express relationships involving addition and subtraction. AF 1.2, MR 2.2	<ul style="list-style-type: none"> Subtraction Assessment Chapter 7 Review/Test Achieving the Standards
Chapter 8 Relate Addition and Subtraction to 12	Lesson 8.1 Addition Facts to 12	Practice facts to 12	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory. AF 1.2	<ul style="list-style-type: none"> Addition/Subtraction Assessment Show what you know

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 8.2 Related Facts to 12	Identify related facts to 12	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory. AF 1.2	<ul style="list-style-type: none"> Addition/Subtraction Assessment
	Lesson 8.3 Build Fact Families	Identify fact families	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory. AF 1.2, MR 1.2	<ul style="list-style-type: none"> Addition/Subtraction Assessment
	Lesson 8.4 Record Fact Families	Record fact families	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory. NS 2.2	<ul style="list-style-type: none"> Addition/Subtraction Assessment
	Lesson 8.5 Algebra: Follow the Rule	Complete a table by using a rule	NS 2.1: Know the addition facts (sums to 20) and corresponding subtraction facts and commit them to memory.	<ul style="list-style-type: none"> Addition/Subtraction Assessment
	Lesson 8.6 Algebra: Ways to Make Numbers to 12	Represent equivalent forms of numbers to 12	NS 1.3: Represent equivalent forms of the same number through the use of physical models, diagrams, and number expressions (to 20). MR 1.2	<ul style="list-style-type: none"> Addition/Subtraction Assessment
	Lesson 8.7 Create Addition and Subtraction Problems	Create addition and subtraction situations and write the corresponding number sentence	AF 1.1: Write and solve number sentences from problem situation that express relationships involving addition and subtraction. NS 2.1, NS 2.5, AF 1.3, MR 1.2, MR 3.0	<ul style="list-style-type: none"> Addition/Subtraction Assessment

FAME Public Charter School

Scope and Sequence: Grade 1

	Lesson 8.8 Problem Solving Workshop Strategy: Draw a Picture	Solve problems by using the strategy draw a picture	NS 2.2: Use the inverse relationship between addition and subtraction to solve problems. NS 2.1, MR 1.2, MR 2.2	<ul style="list-style-type: none">• Addition/Subtraction Assessment• Chapter 8 Review/Test• Unit Review/Test• Performance Assessment
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FAME Public Charter School

Scope and Sequence: Grade 1

Subject/Unit Title: Math Unit 3				
Estimated Time Frame (#of Days): 32 days				
Unit 3: Graphs and Numbers to 100				
Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 9 Data and Graphs	Lesson 9.1 Algebra: Sort and Classify	Use Venn diagrams to sort and classify objects by common attributes	SDAP 1.1: Sort objects and data by common attributes and describe the categories	<ul style="list-style-type: none"> Show what you know Graph assessment
	Lesson 9.2 Use Pictures to Show Data	Use pictures to sort and compare data	SDAP 1.2: Represent and compare data (e.g., largest, smallest, most often, least often) by using pictures, bar graphs, tally charts, and picture graphs.	<ul style="list-style-type: none"> Graph assessment
	Lesson 9.3 Read Picture Graphs	Read and compare data from a picture graph	SDAP 1.2: Represent and compare data (e.g., largest, smallest, most often, least often) by using pictures, bar graphs, tally charts, and picture graphs.	<ul style="list-style-type: none"> Graph assessment
	Lesson 9.4 Make a Picture Graphs	Make pictures graphs and interpret data	SDAP 1.2: Represent and compare data (e.g., largest, smallest, most often, least often) by using pictures, bar graphs, tally charts, and picture graphs.	<ul style="list-style-type: none"> Graph assessment
	Lesson 9.5 Read Tally Charts	Read a tally chart and interpret the data	SDAP 1.2: Represent and compare data (e.g., largest, smallest, most often, least often) by using pictures, bar graphs, tally charts, and picture graphs.	<ul style="list-style-type: none"> Graph assessment

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 9.6 Make Tally Charts	Use tally charts to compare data	SDAP 1.2: Represent and compare data (e.g., largest, smallest, most often, least often) by using pictures, bar graphs, tally charts, and picture graphs.	<ul style="list-style-type: none"> Graph assessment
	Lesson 9.7 Read Bar Graphs	Read a bar graph to compare data	SDAP 1.2: Represent and compare data (e.g., largest, smallest, most often, least often) by using pictures, bar graphs, tally charts, and picture graphs.	<ul style="list-style-type: none"> Graph assessment
	Lesson 9.8 Make Bar Graphs	Use data from a tally chart to make a bar graph	SDAP 1.2: Represent and compare data (e.g., largest, smallest, most often, least often) by using pictures, bar graphs, tally charts, and picture graphs.	<ul style="list-style-type: none"> Graph assessment
	Lesson 9.9 Problem Solving Workshop Strategy: Make a Graph	Solve problems by using the strategy make a graph	SDAP 1.1: Sort objects and data by common attributes and describe the categories	<ul style="list-style-type: none"> Graph assessment Chapter 9 Review/Test Achieving the Standards
Chapter 10 Place Value to 100	Lesson 10.1 Make Ten and More	Count, group, and describe objects using tens and ones	NS 1.4: Count and group objects in ones and tens (e.g., three groups of 10 and 4 equals 34, or 30+4)	<ul style="list-style-type: none"> Place value assessment Show what you know
	Lesson 10.2 Tens	Model and count groups of tens	NS 1.4: Count and group objects in ones and tens (e.g., three groups of 10 and 4 equals 34, or 30+4)	<ul style="list-style-type: none"> Place value assessment

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 10.3 Tens and Ones to 50	Count and group objects to 50 as tens and ones	NS 1.4: Count and group objects in ones and tens (e.g., three groups of 10 and 4 equals 34, or 30+4)	<ul style="list-style-type: none"> Place value assessment
	Lesson 10.4 Tens and Ones to 100	Count and group objects to 100 as tens and ones	NS 1.4: Count and group objects in ones and tens (e.g., three groups of 10 and 4 equals 34, or 30+4)	<ul style="list-style-type: none"> Place value assessment
	Lesson 10.5 Algebra: Ways to Expand Numbers	Write 2-digit numbers in expanded forms	NS 1.4: Count and group objects in ones and tens (e.g., three groups of 10 and 4 equals 34, or 30+4)	<ul style="list-style-type: none"> Place value assessment
	Lesson 10.6 Problem Solving Workshop Skill: Make Reasonable Estimates	Solve problems by using the skill make reasonable estimates	NS 3.1: Make reasonable estimates when comparing larger of smaller numbers	<ul style="list-style-type: none"> Place value assessment Chapter 10 Review/Test Achieving the Standards
Chapter 11 Comparing and Ordering Numbers	Lesson 11.1 Algebra: Greater Than	Model and compare 2-digit numbers to determine which is greater	NS 1.2: Compare and order whole numbers to 100 by using the symbols for less than, equal to, or greater than	<ul style="list-style-type: none"> Comparing assessment Show what you know
	Lesson 11.2 Algebra: Less Than	Model and compare 2 digit numbers to determine which is less	NS 1.2: Compare and order whole numbers to 100 by using the symbols for less than, equal to, or greater than	<ul style="list-style-type: none"> Comparing assessment
	Lesson 11.3 Algebra: Use Symbols to Compare	Use the symbols for is less than $<$, is greater than $>$, and is equal to $=$ to compare numbers	NS 1.2: Compare and order whole numbers to 100 by using the symbols for less than, equal to, or greater than	<ul style="list-style-type: none"> Comparing assessment
	Lesson 11.4 One More, One Less	Identify one more than and one less than a given number	NS 2.3: Identify one more than, one less than, 10 more than, and 10 less than a given number	<ul style="list-style-type: none"> Comparing assessment

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 11.5 Ten More, Ten Less	Identify ten more than and ten less than a given number	NS 2.3: Identify one more than, one less than, 10 more than, and 10 less than a given number	<ul style="list-style-type: none"> Comparing assessment
	Lesson 11.6 Order on a Number Line	Use a number line to determine before, between, and after	NS 2.3: Identify one more than, one less than, 10 more than, and 10 less than a given number	<ul style="list-style-type: none"> Comparing assessment
	Lesson 11.7 Order 3 Numbers	Order numbers from least to greatest or greatest to least	NS 1.2: Compare and order whole numbers to 100 by using the symbols for less than, equal to, or greater than	<ul style="list-style-type: none"> Comparing assessment
	Lesson 11.8 Problem Solving Workshop Skill: Use a Table	Solve problems by using the skill use a table	NS 1.2: Compare and order whole numbers to 100 by using the symbols for less than, equal to, or greater than	<ul style="list-style-type: none"> Comparing assessment Chapter 11 Review/Test Achieving the Standards
Chapter 12 Number Patterns	Lesson 12.1 Skip Count by Twos, Fives, and Tens	Use pictures to count by twos, fives, and tens	NS 2.4: Count by 2s, 5s, and 10s to 100.	<ul style="list-style-type: none"> Pattern assessment Show what you know
	Lesson 12.2 Algebra: Skip Count on a Hundred Chart	Use patterns on a hundred chart to skip count by twos, fives, and tens	NS 2.4: Count by 2s, 5s, and 10s to 100.	<ul style="list-style-type: none"> Pattern assessment
	Lesson 12.3 Algebra: Counting Patterns	Use patterns on a hundred chart to count by tens from any number	NS 2.4: Count by 2s, 5s, and 10s to 100.	<ul style="list-style-type: none"> Pattern assessment
	Lesson 12.4 Algebra: Identify Number Patterns	Use skip counting to identify, describe, and extend number patterns	NS 2.4: Count by 2s, 5s, and 10s to 100.	<ul style="list-style-type: none"> Pattern assessment
	Lesson 12.5 Problem Solving Workshop Strategy: Find a Pattern	Solve problems by using the strategy find a pattern	NS 2.4: Count by 2s, 5s, and 10s to 100.	<ul style="list-style-type: none"> Pattern assessment Chapter 12 Review/Test Unit Review/Test Performance Assessment

FAME Public Charter School

Scope and Sequence: Grade 1

Subject/Unit Title: Math Unit 4				
Estimated Time Frame (#of Days): 30 days				
Unit 4: Operations, Money, and Time				
Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 13 Addition Facts and Strategies to 20	Lesson 13.1 Doubles and Doubles Plus 1	Add by using the strategies doubles and doubles plus one	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and omit them to memory.	<ul style="list-style-type: none"> Show what you know Addition assessment
	Lesson 13.2 Add 10 and More	Use a ten frame to add 10 and a number less than 10	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and omit them to memory.	<ul style="list-style-type: none"> Addition assessment
	Lesson 13.3 Make a 10 to Add	Use the strategy make-a-ten to find sums	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and omit them to memory.	<ul style="list-style-type: none"> Addition assessment
	Lesson 13.4 Algebra: Add 3 Numbers	Use the Order Property and addition strategies to add three numbers	NS 2.7: Find the sum of three one-digit numbers.	<ul style="list-style-type: none"> Addition assessment
	Lesson 13.5 Practice Sums to 20	Practice addition facts to 20	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and omit them to memory.	<ul style="list-style-type: none"> Addition assessment
	Lesson 13.6 Problem Solving Workshop Strategy: Write a Number Sentence	Solve problems by using the strategy write a number sentence	AF 1.2: Understand the meaning of the symbols +, -, =.	<ul style="list-style-type: none"> Addition assessment Chapter 13 Review/Test Achieving the Standards

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 14 Subtraction Facts and Strategies	Lesson 14.1 Use a Number Line to Subtract	Subtract from 20 or less using a number line to count back	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Show what you know Subtraction assessment
	Lesson 14.2 Subtract to Compare	Model and compare to show the meaning of subtraction	NS 2.5: Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference)	<ul style="list-style-type: none"> Subtraction assessment
	Lesson 14.3 Think Addition to Subtract	Use think addition as a strategy to subtract numbers from 20 or less	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Subtraction assessment
	Lesson 14.4 Practice Differences from 20	Practice subtraction facts from 20 or less	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Subtraction assessment
	Lesson 14.5 Problem Solving Workshop Skill: Use Data from a Table	Solve problems by using the skill use data from a table	AF 1.1: Write and solve number sentences from problem situations that express relationships involving addition and subtraction	<ul style="list-style-type: none"> Subtraction assessment Chapter 14 Review/Test Achieving the Standards
Chapter 15 Relate Addition and Subtraction to 20	Lesson 15.1 Fact Families to 20	Use fact families to find sums and differences to 20	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Show what you know Addition/Subtraction assessment

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 15.2 Algebra: Missing Numbers	Identify a missing number in a number sentence	NS 2.2: Use the line inverse relationship between addition and subtraction to solve problems	<ul style="list-style-type: none"> Addition/Subtraction assessment
	Lesson 15.3 Algebra: Ways to Make Numbers to 20	Represent numbers by using sums and differences to 20	NS 1.3: Represent equivalent forms of the same number through the use of physical models, diagrams, and numbers expressions (to 20)	<ul style="list-style-type: none"> Addition/Subtraction assessment
	Lesson 15.4 Algebra: Follow the Rule	Complete a function table	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Addition/Subtraction assessment
	Lesson 15.5 Practice Addition and Subtraction	Practice addition and subtraction facts to 20	NS 2.1: Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory	<ul style="list-style-type: none"> Addition/Subtraction assessment
	Lesson 15.6 Create Addition and Subtraction Problems	Use pictures to create addition and subtraction problems	AF 1.1: Write and solve number sentences from problem situations that express relationships involving addition and subtraction	<ul style="list-style-type: none"> Addition/Subtraction assessment
	Lesson 15.7 Problem Solving Workshop Skill: Choose the Operation	Solve problems by using the skill choose the operation	AF 1.1: Write and solve number sentences from problem situations that express relationships involving addition and subtraction	<ul style="list-style-type: none"> Addition/Subtraction assessment Achieving the Standards Chapter 15 Review/Test
Chapter 16 Counting Coins	Lesson 16.1 Pennies and Nickels	Identify the value of pennies and nickels and count like groups	NS 1.5: Identify and know the value of coins and show different combinations of coins that equal the same value	<ul style="list-style-type: none"> Money assessment Show what you know

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 16.2 Pennies and Dimes	Identify the value of pennies and dimes, and count like groups	NS 1.5: Identify and know the value of coins and show different combinations of coins that equal the same value	<ul style="list-style-type: none"> Money assessment
	Lesson 16.3 Count Collections	Identify the value of a group of coins that includes pennies, nickels, and/or dimes	NS 1.5: Identify and know the value of coins and show different combinations of coins that equal the same value	<ul style="list-style-type: none"> Money assessment
	Lesson 16.4 Quarters	Show ways to make 25 cents with coins and count groups up to 50 cents	NS 1.5: Identify and know the value of coins and show different combinations of coins that equal the same value	<ul style="list-style-type: none"> Money assessment
	Lesson 16.5 Make Equal Amounts	Identify different ways to make equal amounts using coins	NS 1.5: Identify and know the value of coins and show different combinations of coins that equal the same value	<ul style="list-style-type: none"> Money assessment
	Lesson 16.6 Problem Solving Workshop Strategy: Act It Out	Solve problems by using the strategy act it out	NS 1.5: Identify and know the value of coins and show different combinations of coins that equal the same value	<ul style="list-style-type: none"> Money assessment Chapter 16 Review/Test Achieving the Standards
Chapter 17 Time	Lesson 17.1 Time to the Hour	Tell and write time to the hour on analog and digital clocks	MG 1.2: Tell time to the nearest half hours and relate time to events (e.g., before/after, shorter/longer) MR 1.2: Use tools, such as manipulatives or sketches, to model problems	<ul style="list-style-type: none"> Time assessment Show what you know
	Lesson 17.2 Time to the Half Hour	Tell and write time to the half hour on analog and digital clocks	MG 1.2: Tell time to the nearest half hours and relate time to events (e.g., before/after, shorter/longer) MR 1.2: Use tools, such as manipulatives or sketches, to model problems	<ul style="list-style-type: none"> Time assessment

FAME Public Charter School

Scope and Sequence: Grade 1

Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
	Lesson 17.3 Time to the Hour and Half Hour	Read and show time to the hour and half hour using analog and digital clocks	MG 1.2: Tell time to the nearest half hours and relate time to events (e.g., before/after, shorter/longer) MR 1.2: Use tools, such as manipulatives or sketches, to model problems	<ul style="list-style-type: none"> • Time assessment
	Lesson 17.4 Problem Solving Workshop Skill: Use Data from a Table	Solve problems by using the skill use data from a table	MG 1.2: Tell time to the nearest half hours and relate time to events (e.g., before/after, shorter/longer)	<ul style="list-style-type: none"> • Time assessment • Chapter 17 Review/Test • Unit Review test

FAME Public Charter School

Scope and Sequence: Grade 1

Subject/Unit Title: Math Unit 5				
Estimated Time Frame (#of Days): 25 days				
Unit 4: Geometry and Patterns				
Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 18 Solid and Plane Figures	Lesson 18.1 Solid Figures	Identify, describe, and compare solid figures	MG 2.2: Classify familiar plane and solid objects by common attributes, such as color, position, shape, size, roundness, or number of corners, and explain which attributes are being used for classification	<ul style="list-style-type: none"> Show what you know
	Lesson 18.2 Sort Solids	Sort solid figures by their flat and curved surfaces	MG 2.2: Classify familiar plane and solid objects by common attributes, such as color, position, shape, size, roundness, or number of corners, and explain which attributes are being used for classification	<ul style="list-style-type: none"> Geometry Assessment
	Lesson 18.3 Classify Solids	Classify solid figures by the number of flat surfaces and corners they have	MG 2.2: Classify familiar plane and solid objects by common attributes, such as color, position, shape, size, roundness, or number of corners, and explain which attributes are being used for classification	<ul style="list-style-type: none"> Geometry Assessment
	Lesson 18.4 Figures on Solids	Identify plane figures on solids	MG 2.2: Classify familiar plane and solid objects by common attributes, such as color, position, shape, size, roundness, or number of	<ul style="list-style-type: none"> Geometry Assessment

FAME Public Charter School

Scope and Sequence: Grade 1

			corners, and explain which attributes are being used for classification	
	Lesson 18.5 Sort Plane Figures	Identify and sort plane figures	MG 2.2: Classify familiar plane and solid objects by common attributes, such as color, position, shape, size, roundness, or number of corners, and explain which attributes are being used for classification	<ul style="list-style-type: none"> • Geometry Assessment
	Lesson 18.6 Classify Plane Figures	Classify plane figures by the number of sides and corners they have	MG 2.2: Classify familiar plane and solid objects by common attributes, such as color, position, shape, size, roundness, or number of corners, and explain which attributes are being used for classification	<ul style="list-style-type: none"> • Geometry Assessment
	Lesson 18.7 Problem Solving Workshop: Use Logical Reasoning	Solve problems by using the strategy use logical reasoning	MG 2.2: Classify familiar plane and solid objects by common attributes, such as color, position, shape, size, roundness, or number of corners, and explain which attributes are being used for classification	<ul style="list-style-type: none"> • Chapter 18 Review/Test • Achieving the Standards • Geometry Assessment
Chapter 19 Patterns	Lesson 19.1 Algebra: Pattern Units	Identify, describe, and extend pattern units	SDAP 2.1: Describe, extend, and explain ways to get to a next element in simple repeating patterns	<ul style="list-style-type: none"> • Show what you know • Pattern Assessment
	Lesson 19.2 Algebra: Color	Identify, describe, and extend repeating color patterns	SDAP 2.1: Describe, extend, and explain ways to get to a	<ul style="list-style-type: none"> • Pattern Assessment

FAME Public Charter School

Scope and Sequence: Grade 1

	Patterns		next element in simple repeating patterns	
	Lesson 19.3 Algebra: Shape Patterns	Identify, describe, and extend repeating shape patterns	SDAP 2.1: Describe, extend, and explain ways to get to a next element in simple repeating patterns	<ul style="list-style-type: none"> • Pattern Assessment
	Lesson 19.4 Algebra: Number Patterns	Identify, describe, and extend repeating number patterns	SDAP 2.1: Describe, extend, and explain ways to get to a next element in simple repeating patterns	<ul style="list-style-type: none"> • Pattern Assessment
	Lesson 19.5 Algebra: Rhythmic Patterns	Identify, describe, and extend repeating rhythmic patterns	SDAP 2.1: Describe, extend, and explain ways to get to a next element in simple repeating patterns	<ul style="list-style-type: none"> • Pattern Assessment
	Lesson 19.6 Problem Solving Workshop Strategy: Find a Pattern	Solve problems by using the strategy find a pattern	SDAP 2.1: Describe, extend, and explain ways to get to a next element in simple repeating patterns	<ul style="list-style-type: none"> • Pattern Assessment • Chapter 19 Review/Test • Achieving the Standards
Chapter 20 Spatial Sense	Lesson 20.1 Position Words	Use position words to identify, describe, and arrange objects	MG 2.4: Arrange and describe objects in space by proximity, position, and direction (e.g., near, far below, above, up, down, behind, in front of, next to, left or right of)	<ul style="list-style-type: none"> • Show what you know • Direction assessment
	Lesson 20.2 Follow Directions	Use position words to follow directions about location	MG 2.3: Give and follow directions about location	<ul style="list-style-type: none"> • Direction assessment
	Lesson 20.3 Give Directions	Give directions, using the relative position of objects in relation to other objects	MG 2.3: Give and follow directions about location	<ul style="list-style-type: none"> • Direction assessment
	Lesson 20.4 Problem Solving Workshop Strategy: Use Logical Reasoning	Solve problems by using the strategy use logical reasoning	MG 2.4: Arrange and describe objects in space by proximity, position, and direction (e.g., near, far below, above, up, down, behind, in front of, next to, left or right of)	<ul style="list-style-type: none"> • Direction assessment • Chapter 20 Review/Test • Unit 5 Review/Test

FAME Public Charter School

Scope and Sequence: Grade 1

Subject/Unit Title: Math Unit 6				
Estimated Time Frame (#of Days): 30 days				
Unit 4: Length				
Chapter Title	Lesson Title	Objectives	CA State Standards	Assessments
Chapter 21 Length	Lesson 21.1 Compare Length	Compare and order objects by length	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as manipulatives or sketches or sketches to model problems.	<ul style="list-style-type: none"> Show what you know Length assessment
	Lesson 21.2 Nonstandard Units	Measure length by using nonstandard units	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as manipulatives or sketches or sketches to model problems.	<ul style="list-style-type: none"> Length assessment
	Lesson 21.3 Compare Nonstandard Units	Measure length by using nonstandard units	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as manipulatives or sketches or sketches to model problems.	<ul style="list-style-type: none"> Length assessment
	Lesson 21.4 Make a Nonstandard Ruler	Make a nonstandard ruler to measure length	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit	<ul style="list-style-type: none"> Length assessment

FAME Public Charter School

Scope and Sequence: Grade 1

			MG 1.2: Use tools, such as manipulatives or sketches or sketches to model problems.	
	Lesson 21.5 Problem Solving Workshop Skill: Make Reasonable Estimates	Solve problems by using the skill make reasonable estimates	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as manipulatives or sketches or sketches to model problems.	<ul style="list-style-type: none"> Length assessment Chapter 21 Review/Test Achieving the Standards
Chapter 22 Weight and Capacity	Lesson 22.1 Use a Balance	Estimate and measure the weight/masses of objects by using a balance and nonstandard units	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as manipulatives or sketches or sketches to model problems.	<ul style="list-style-type: none"> Weight assessment Show what you know
	Lesson 22.2 Compare Weight	Compare weights of objects	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as manipulatives or sketches or sketches to model problems.	<ul style="list-style-type: none"> Weight assessment
	Lesson 22.3 Use Nonstandard Units to Estimate and Measure Weight	Choose nonstandard units to estimate and measure weight	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as	<ul style="list-style-type: none"> Measurement assessment

FAME Public Charter School

Scope and Sequence: Grade 1

			manipulatives or sketches or sketches to model problems.	
	Lesson 22.4 Use Nonstandard Units to Compare Weight	Measure, compare, and order weights of objects	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as manipulatives or sketches or sketches to model problems.	<ul style="list-style-type: none"> Measurement assessment
	Lesson 22.5 Compare Capacity	Compare the capacities of containers	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as manipulatives or sketches or sketches to model problems.	<ul style="list-style-type: none"> Volume assessment
	Lesson 22.6 Use Nonstandard Units to Estimate and Measure Capacity	Choose nonstandard units to estimate and measure capacity	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as manipulatives or sketches or sketches to model problems.	<ul style="list-style-type: none"> Volume assessment
	Lesson 22.7 Use Nonstandard Units to Compare Capacity	Measure, compare, and order capacity of containers	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as manipulatives or sketches or	<ul style="list-style-type: none"> Volume assessment

FAME Public Charter School

Scope and Sequence: Grade 1

			sketches to model problems.	
	Lesson 22.8 Problem Solving Workshop Strategy: Predict and Test	Solve problems by using the strategy predict and test	MG 1.1: Compare the length, weight, and volume of two or more objects by using direct comparison or a nonstandard unit MG 1.2: Use tools, such as manipulatives or sketches or sketches to model problems.	<ul style="list-style-type: none"> • Achieving the Standards • Chapter 22 Review/Test • Volume assessment
Chapter 23 Place Value and 2- Digit Addition	Lesson 23.1 Use Mental Math to Add Tens	Use mental math to add tens and find sums	NS 2.6: Solve addition and subtraction problems with one-and-two digit numbers	<ul style="list-style-type: none"> • Show what you know • Addition assessment
	Lesson 23.2 Count on by Tens	Count on by tens to find sums	NS 2.6: Solve addition and subtraction problems with one-and-two digit numbers	<ul style="list-style-type: none"> • Addition assessment
	Lesson 23.3 Add Tens and Ones	Add tens and ones to find sums	NS 2.6: Solve addition and subtraction problems with one-and-two digit numbers	<ul style="list-style-type: none"> • Addition assessment
	Lesson 23.4 Add 1-Digit to 2-Digit Numbers	Add 1-digit to 2-digit numbers to find sums	NS 2.6: Solve addition and subtraction problems with one-and-two digit numbers	<ul style="list-style-type: none"> • Addition assessment
	Lesson 23.5 Problem Solving Workshop Skill: Choose a Method	Solve problems by using the skill choose a method	NS 2.6: Solve addition and subtraction problems with one-and-two digit numbers	<ul style="list-style-type: none"> • Addition Assessment • Chapter 23 Review/Test • Achieving the Standards
Chapter 24 Place Value and 2- Digit Subtraction	Lesson 24.1 Use Mental Math to Subtract Tens	Use mental math to subtract tens and find differences	NS 2.6: Solve addition and subtraction problems with one-and-two digit numbers	<ul style="list-style-type: none"> • Subtraction assessment • Show what you know
	Lesson 24.2 Count Back by Tens	Count back by tens to find differences	NS 2.6: Solve addition and subtraction problems with one-and-two digit numbers	<ul style="list-style-type: none"> • Subtraction assessment
	Lesson 24.3 Subtract Tens and	Subtract tens and ones to find differences	NS 2.6: Solve addition and subtraction problems with	<ul style="list-style-type: none"> • Subtraction assessment

FAME Public Charter School

Scope and Sequence: Grade 1

	Ones		one-and-two digit numbers	
	Lesson 24.4 Subtract 1-Digit from 2-Digit Numbers	Subtract 1-digit from 2-digit numbers to find differences	NS 2.6: Solve addition and subtraction problems with one-and-two digit numbers	<ul style="list-style-type: none"> • Subtraction assessment
	Lesson 24.5 Problem Solving Workshop Skill: Make Reasonable Estimates	Solve problems by using the skill make reasonable estimates	NS 2.6: Solve addition and subtraction problems with one-and-two digit numbers	<ul style="list-style-type: none"> • Subtraction assessment • Chapter 24 Review/Test • Unit 6 Review/Test