

FIRST GRADE

September State Goals For Math

	Count with understanding.
	<b>Number recognition 0 – 10</b>
	<b>Number concept 0 – 10</b>
	Differentiate between cardinal and ordinal numbers in quantifying and ordering numbers. Ordinal numbers 1 – 31                      Number order 0 – 10
	Connect number words and numerals to the quantities they represent. Number words (zero – ten)
	Compare two or more sets using manipulatives.
	Explore and describe events in sequence: Calendar activities.
	Sorting ,classify, and order objects.
	Recognize, describe, and extend patterns.
	Describe given patterns using letters.
	Describe and compare qualitative change.
	Solve real life word problems using patterns.
	<b>Recognize and name two dimensional shapes.</b> <b>Circle, square, triangle, rectangle, oval, diamond</b>
	Describe and interpret positions in space.
	Identify objects that are the same shape.
	Organize, describe and label simple data. Pictographs, tally, bar
	Gather information from graphs.
	Vocabulary (attached)
	Problem solving – Related to September skills
	Estimation

FIRST GRADE

October State Goals For Math

	Count with understanding. <b>Recognize\Writes numerals (0-25)</b>
	Demonstrate the concept of odd and even using manipulatives.
	Construct number sentences to match word problems.
	Develop and use strategies for whole number computations with a focus on addition and subtraction. Addition and subtraction (0-10)
	Use mental math.
	Compare two or more sets using manipulatives
	Explore and describe events in sequence: Calendar activities
	Recognize, describe and extend geometric patterns.
	Analyze repeating patterns.
	Create patterns concretely and numerically to match a given letter description.
	Recognize and explain a geometric pattern. <b>Patterning</b>
	Organize, describe and label simple data. Pictographs, tally, bar
	Compare numerical information derived from tables and graphs
	Identify possible and impossible results using concrete materials
	Vocabulary (attached)
	Problem solving – Related to October skills
	Solve one step addition and subtraction number sentences and word problems using concrete materials.
	Estimation

FIRST GRADE

November State Goals For Math

	Count with understanding including skip counting by 2's, 5's, 10's. <b>Recognize\Writes numerals (0-50)</b>
	Solve one-step addition and subtraction number sentences and word problems using concrete materials. Number Sentences (+) 0-12    Number Sentences (-) 0-12
	Explore and apply properties of addition and subtraction.(Mixed addition/subtraction)
	Compute using fact families.
	Use mental math counting strategies.
	Describe reasonable and unreasonable sums and differences.
	Solve simple number sentences with variables. Addition/Subtraction strategies (0-12) (count on, count back, fact families, missing addends, doubles, adding 0, adding 1).
	Explore and describe events in sequence: Calendar activities...
	Organize and interpret simple data such as pictographs, tallies, tables, and bar graphs.
	Vocabulary (attached)
	Problem solving – Related to November skills
	Construct number sentences to match word problems.
	Estimation

FIRST GRADE

December State Goals For Math

	Count with understanding including skip counting by 2's, 5's, 10'S <b>Recognize\Writes numerals (0-50)</b>
	Demonstrate and describe the effects of adding and subtracting whole numbers using appropriate mathematical notation and vocabulary.
	Develop and use strategies for whole number computations with a focus on addition and subtraction. (Mixed addition/subtraction) Addition Strategies (0-12)    Subtraction Strategies (0-12)
	Compare two or more sets using manipulatives, to solve problems Greater than, Less than, and equal to.
	Explore and describe events in sequence Calendar activities
	Organize and interpret simple data such as pictographs, tallies, tables, and bar graphs.
	Vocabulary (attached)
	Problem solving – Related to December skills
	Estimation

FIRST GRADE

January State Goals For Math

	Count with understanding including skip counting by 2's, 5's, 10'S Recognize\Writes numerals (0-75)
	Develop initial understanding of place value and the base-ten number system using manipulatives. Tens and Ones.
	Compute using fact families.(Mixed addition/subtraction) Addition/Subtraction strategies (0-12)
	Explore and apply properties of addition and subtraction. Addition/Subtraction strategies (0-12)
	Develop and use strategies for whole number computations with a focus on addition and subtraction.
	Compare two or more sets, using manipulatives, to solve problems.
	Explore and describe events in sequence:Calendar activities
	Identify the type of measure for each measurable attribute. Temperature
	Order events chronologically.
	Tell time using an analog clock <b>Hour and Half hour</b>
	Identify three dimensional shapes
	Recognize and describe shapes that have line symmetry.
	Identify geometric shapes and structures in the environment.
	Create and complete shapes that have line symmetry
	Identify objects that are the same shape. <b>Recognize 3D shapes (rectangular prism, cone, pyramid, cube,sphere, and cylinder).</b>
	Compare and sort two and three dimensional objects.
	Compare and contrast attributes of two and three dimensional objects using appropriate vocabulary.
	Compare numerical information derived from tables and graphs.
	Make predictions from simple data.
	Vocabulary (attached)
	Problem solving – Related to January skills.
	Estimation

FIRST GRADE

February State Goals For Math

	Count with understanding including skip counting by 2's, 5's, 10's Recognize\Writes numerals (0-100).
	Develop initial understanding of place value and the base-ten number system using manipulatives <b>Tens and Ones.</b>
	Connect number words and numeral to the quantities they represent. <b>Place value (tens and ones).</b>
	Explore and apply properties of addition and subtraction. Addition/Subtraction strategies (0-12).
	Develop and use strategies for whole number computation with a focus on addition and subtraction.(Mixed addition/subtraction) Addition/Subtraction strategies (0-12).
	Compare two or more sets, using manipulatives, to solve problems. Greater than, less than, equal to.
	Explore and describe events in sequence:Calendar activiti
	Identify units of money and the value of each. (penny, nickel, and dime).
	Count like sets of coins. Penny, nickel, and dime up to 50¢
	Organize and interpret simple data displays such as pictographs, tallies, tables, and bar graphs.
	Vocabulary (attached)
	Problem solving – Related to February skills.
	Estimation

FIRST GRADE

March State Goals For Math

	Count with understanding including skip counting. <b>Recognize\Writes numerals (0-75)</b>
	Explore and apply properties of addition and subtraction.(Mixed addition/subtraction) Addition/Subtraction strategies (0-12)
	Compute using fact families. Addition/Subtraction strategies (0-12)
	Describe the relationship between the two sets using $>$ , $<$ , $=$ (signs).
	Explore and describe events in sequence:Calendar activities
	Identify units of money and the value of each coin. <b>penny, nickel, and dime up to 50¢</b>
	Count, compare, and order sets of unlike coins. <b>Counting money values to 50¢</b>
	Show equivalent amounts of money. <b>Counting money values to 50¢</b>
	Gather data to answer a simple question.
	Vocabulary (attached)
	Problem solving – Related to March skills.
	Estimation

FIRST GRADE

April State Goals For Math

	Describe parts of a whole using $\frac{1}{2}$ , $\frac{1}{3}$ , $\frac{1}{4}$ . <b>Fractions</b> ( $\frac{1}{2}$ , $\frac{1}{3}$ , $\frac{1}{4}$ ).
	Order concrete representations of unit fractions. <b>Fractions</b> ( $\frac{1}{2}$ , $\frac{1}{3}$ , $\frac{1}{4}$ ).
	Solve two-step addition and subtraction number sentences and word problems. 2-digit addition/subtraction w/out regrouping.
	Develop and use strategies for whole number computations with a focus on addition and subtraction.(Mixed addition/subtraction) Addition/Subtraction strategies (0-18)
	Determine the attributes of an object that are measurable. <b>Nonstandard measurement (length, weight, capacity)</b>
	Compare and order objects according to measurable attributes. <b>Standard measurement (inches, centimeters)</b>
	Measure objects using standard units.. <b>Standard measurement (inches, centimeters)</b>
	Measure objects using nonstandard units.. <b>Nonstandard measurement (length, weight, capacity)</b>
	Explore and describe events in sequence: Calendar activities...
	Select appropriate nonstandard measurement units to measure length, weight, and capacity. <b>Nonstandard measurement (length, weight, capacity)</b>
	Vocabulary (attached)
	Problem solving – Related to April skills.
	Estimation
	Estimate nonstandard measurements of length, weight, and capacity.
	Estimate standard measurements of length, weight, and capacity

FIRST GRADE

May State Goals For Math

	Count with understanding including skip counting. <i>Recognize/Writes numerals (0-100)</i>
	Solve two-step addition and subtraction number sentences and word problems. 2-digit addition/subtraction w/out regrouping.
	Demonstrate the relationship between addition and subtraction.(Mixed addition/subtraction) Addition/Subtraction facts (13-18)
	<i>Demonstrate fluency with basic addition and subtraction facts.</i> <i>Addition and subtraction strategies/facts (0-12)</i>
	Describe Reasonable and unreasonable sums and differences. 3 addends-addition.
	Utilize a calculator for counting patterns.
	Explore and describe events in sequence: Calendar activities
	Vocabulary (attached)
	Problem solving – Related to May skills
	Estimation
	<i>Review all first grade Mastery skills</i>