

Name: _____



SAN JUAN DEL SUR DAY SCHOOL



GRADE 1 MATH LEARNING OUTCOMES STUDENT CHECKLIST

UNIT CONCEPT	LESSON TOPIC	LEARNING GOAL
<p style="text-align: center;">Counting to 20</p> <p style="text-align: center;"><i>"I am learning to count numbers, recognize value of digits, compare, and order numbers, and write numerals."</i></p>	Numbers to 20 - Representing Numbers (using base 10 models)	<input type="checkbox"/> I can count in 1's: <input type="checkbox"/> Up to 10 <input type="checkbox"/> Up to 20 <input type="checkbox"/> I can model a whole number using different objects. (e.g. 10 chairs is the same as 10 rocks) <input type="checkbox"/> I can identify omissions in a number sequence <input type="checkbox"/> I can correct errors in a number sequence
	Place Value and Naming Numbers	<input type="checkbox"/> I can recognize: <input type="checkbox"/> Two-digit numbers represent tens and 1's <input type="checkbox"/> Ten can be thought of as a bundle of 1's <input type="checkbox"/> Numbers between 11-20 are composed of a 10 and 1-9 ones <input type="checkbox"/> Multiples of 10 refer to 1-9 tens and zero ones
	Comparing and Ordering Numbers on a Number Line	<input type="checkbox"/> I am learning to compare and order numbers from 0 up to 100; using greater than, less than, and = sign <input type="checkbox"/> I can compare numbers by building an equal set that contains up to 20 elements. <input type="checkbox"/> I can identify omissions in a number sequence <input type="checkbox"/> I can correct errors in a number sequence
	Writing Numbers	<input type="checkbox"/> I can write numbers numerically: <input type="checkbox"/> Up to 10 <input type="checkbox"/> Up to 20 <input type="checkbox"/> Any number to 20 when presented orally
<p style="text-align: center;">Understanding Addition and Number Bonds to 10</p> <p style="text-align: center;"><i>"I am learning to represent and use number bonds in addition (and subtraction) facts."</i></p>	Spatial Patterns of Numbers	<input type="checkbox"/> I can identify numbers and patterns by building a set having more, fewer or as many objects/elements of a given set <input type="checkbox"/> I can recognize at a glance arrangements between 1 to 10 objects, dots, pictures
	Making Addition Stories	<input type="checkbox"/> I can add using objects/ pictorial representations of 1-digit numbers to 10 <input type="checkbox"/> I can use objects and manipulatives to solve subtraction problems
	Number Bonds for 2-6	<input type="checkbox"/> I can identify: <input type="checkbox"/> One more than a single digit number <input type="checkbox"/> One less than a single digit number <input type="checkbox"/> I can use and describe a personal strategy for determining a sum
	Number Bonds for 7-10	<input type="checkbox"/> I can identify: <input type="checkbox"/> One more than a single digit number <input type="checkbox"/> One less than a single digit number <input type="checkbox"/> I can use and describe a personal strategy for determining a sum
	Count on to Add - Finding the Missing Part	<input type="checkbox"/> I can use objects and manipulates to solve addition problems <input type="checkbox"/> I can explain that adding two numbers makes a larger number.
	Addition Fact Practice	<input type="checkbox"/> I can add using objects/ pictorial representations to add 1-digit numbers to 10
<p style="text-align: center;">Understanding Subtraction to 10</p> <p style="text-align: center;"><i>"I am learning to represent and use number bonds in subtraction (and addition) facts."</i></p>	Relationship between Addition and Subtraction (Fact Families)	<input type="checkbox"/> I can identify numbers and patterns by building a set having more, fewer or as many objects/elements of a given set
	Making Subtraction Stories	<input type="checkbox"/> I can add using objects/ pictorial representations of 1-digit numbers to 10 <input type="checkbox"/> I can use objects and manipulatives to solve subtraction problems <input type="checkbox"/> I can explain that subtracting two numbers makes a smaller number
	Number Bonds for 2-6	<input type="checkbox"/> I can identify : <input type="checkbox"/> One more than a single digit number <input type="checkbox"/> One less than a single digit number <input type="checkbox"/> I can use and describe a personal strategy for determining a sum
	Number Bonds for 7-10	<input type="checkbox"/> I can identify : <input type="checkbox"/> One more than a single digit number <input type="checkbox"/> One less than a single digit number <input type="checkbox"/> I can use and describe a personal strategy for determining a sum
	Count Back to Subtract - Finding the Missing Part	<input type="checkbox"/> I can use objects and manipulates to solve subtraction problems
	Subtraction Fact Practice	<input type="checkbox"/> I can subtract using objects/ pictorial representations to add 1-digit numbers to 10
<p style="text-align: center;">Time</p> <p style="text-align: center;"><i>"I am learning to tell time."</i></p>	Understanding Parts of a Clock to Tell Time	<input type="checkbox"/> I can identify the hour and minute hands on a clock <input type="checkbox"/> I can identify the hour and minute numbers on a digital clock
	Telling and Writing Time to the Hour and Half Hour	<input type="checkbox"/> I can tell time: <input type="checkbox"/> To the hour <input type="checkbox"/> Half past the hour <input type="checkbox"/> I can draw hands on a clock face to represent these times <input type="checkbox"/> I can write numbers on a digital clock to represent these times
	Using a Calendar	<input type="checkbox"/> I can identify the date of the days of the week using a calendar <input type="checkbox"/> I can sequence the days of the week using a calendar <input type="checkbox"/> I can sequence the months of the year using a calendar

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<p style="text-align: center;"><u>Ordinal Numbers</u></p> <p><i>"I am learning to use math terms to compare and order numbers."</i></p>	Naming Position	<input type="checkbox"/> I can count using ordinal numbers (first, second, up to twentieth)
	Position Problems	<input type="checkbox"/> I can use ordinal numbers 1st - 20th to identify position in a sequence
<p style="text-align: center;"><u>Counting and Place Value to 100</u></p> <p><i>"I am learning to count numbers, recognize value of digits, compare, and order numbers, and write numerals."</i></p>	Counting to 100	<input type="checkbox"/> I can count by ones up to 100 <input type="checkbox"/> I can count on from any given number <input type="checkbox"/> I can identify numbers: <ul style="list-style-type: none"> <input type="checkbox"/> By counting objects <input type="checkbox"/> Representing with base ten <input type="checkbox"/> I can represent numbers in a variety of groupings. (e.g. 17 can be 8 groups of 2 and 1 single, 5 groups of 3 and two singles...)
	Numerals Place Value and Naming Numbers	<input type="checkbox"/> I can recognize: <ul style="list-style-type: none"> <input type="checkbox"/> Two-digit numbers represent tens and 1's <input type="checkbox"/> Ten can be thought of as a bundle of 1's <input type="checkbox"/> Multiples of 10 refer to 1-9 tens and zero ones
	Writing Numbers	<input type="checkbox"/> I can write numbers numerically: <ul style="list-style-type: none"> <input type="checkbox"/> Up to 10 <input type="checkbox"/> Up to 20 <input type="checkbox"/> Up to 50 <input type="checkbox"/> Up to 100 <input type="checkbox"/> Any number to 100 when presented orally
	Counting on a Hundred Chart	<input type="checkbox"/> I can count across 100 forward <input type="checkbox"/> I can count across 100 backwards <input type="checkbox"/> I can identify omissions in a number sequence <input type="checkbox"/> I can correct errors in a number sequence <input type="checkbox"/> I can use manipulatives to identify and model odd and even numbers
	Counting by 10s	<input type="checkbox"/> I can group and count manipulatives by tens to 100
	Comparing and Ordering Numbers on a Number Line	<input type="checkbox"/> I am learning to compare and order numbers from 0 up to 100; using greater than, less than, and = sign <input type="checkbox"/> I can compare numbers by building an equal set that contains up to 100 elements <input type="checkbox"/> I can identify numbers on a number line 0 to 100
	Comparing and Ordering Three Numbers	<input type="checkbox"/> I am learning to compare and order numbers from 0 up to 100; using greater than, less than, and = sign <input type="checkbox"/> I can compare numbers by building an equal set that contains up to 100 elements <input type="checkbox"/> I can identify numbers on a number line 0 to 100
<p style="text-align: center;"><u>Graphs</u></p> <p><i>"I am learning to extract information from data."</i></p>	Using Tally Charts	<input type="checkbox"/> I can interpret tally charts <input type="checkbox"/> I can construct tally charts <input type="checkbox"/> I can collect and organize data to create tally charts
	Picture Graphs (Pictograms)	<input type="checkbox"/> I can interpret pictograms <input type="checkbox"/> I can construct pictograms
	Bar Graphs	<input type="checkbox"/> I can interpret bar graphs <input type="checkbox"/> I can construct bar graphs <input type="checkbox"/> I can collect and organize data to create bar graphs
<p style="text-align: center;"><u>Shapes and Patterns</u></p> <p><i>"I am learning to identify and describe the properties of two-dimensional and three-dimensional shapes." "I am learning to demonstrate an understanding of repeating patterns of two to four elements."</i></p>	Common Plane Shapes (2D Shapes) and Their Properties	<input type="checkbox"/> I can recognize and name common plane shapes <input type="checkbox"/> I can identify and describe the properties of 2D shapes finding number of sides <input type="checkbox"/> I can sort the following according to sides and vertices: <ul style="list-style-type: none"> <input type="checkbox"/> circles <input type="checkbox"/> rectangles including squares <input type="checkbox"/> triangles
	Combine Shapes	<input type="checkbox"/> I can predict the result of combining two or more two-dimensional shapes
	Common Solid Figures (3D Shapes) and Their Properties	<input type="checkbox"/> I can recognize and name common solid figures <input type="checkbox"/> I can classify the following three-dimensional figures using physical materials: <ul style="list-style-type: none"> <input type="checkbox"/> cube <input type="checkbox"/> cone <input type="checkbox"/> sphere <input type="checkbox"/> rectangular solid <input type="checkbox"/> pyramid <input type="checkbox"/> cylinder
	Sort Shapes	<input type="checkbox"/> I can compare and sort everyday objects that are 2D shapes using attributes
	Identify Patterns Based on Shapes	<input type="checkbox"/> I can demonstrate and describe an understanding of repeating pattern with: <ul style="list-style-type: none"> <input type="checkbox"/> 2 elements <input type="checkbox"/> 3 elements <input type="checkbox"/> 4 elements <input type="checkbox"/> I can identify errors made in a repeating pattern <input type="checkbox"/> I can identify the missing element(s) in a repeating pattern <input type="checkbox"/> I can reproduce and extend a repeating pattern using manipulatives, diagrams, sounds, and actions

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<u>Length</u> <i>"I am learning to measure objects and compare, describe, and solve practical problems using length/height."</i>	Compare and Order Lengths	<input type="checkbox"/> I can order three objects by length <input type="checkbox"/> I can compare the length of two objects indirectly by using a third object
	Estimating and Measuring Using Non-Standard Units	<input type="checkbox"/> I can compare length <input type="checkbox"/> I can estimate a quantity by comparing it to a referent (e.g. crayon is shorter than the pencil, the book is longer than the pencil)
	Distance	<input type="checkbox"/> I can estimate distance using non-standard units <input type="checkbox"/> I can solve practical problems involving length
	Word Problems	<input type="checkbox"/> I can solve practical problems involving length <input type="checkbox"/> I can measure length and record my measurements
<u>Number Sense - Addition and Subtraction</u> <i>"I am learning to identify and represent numbers using objects and pictorial representation." "I am learning to read, write and interpret, mathematical statements involving addition (+), subtraction (-) and equals (=) sign."</i>	Counting with Groups of Tens and Ones	<input type="checkbox"/> I can model and identify place value of each digit utilizing standard form to 100 <input type="checkbox"/> I can model place value of each digit utilizing expanded form to 100 <input type="checkbox"/> I can group and count manipulatives by ones to 100 <input type="checkbox"/> I can group and count manipulatives by tens to 100
	Expanded Form	<input type="checkbox"/> I can identify and record two-digit numbers in expanded form
	Decomposing Numbers	<input type="checkbox"/> I can model and solve 2-digit addition
	Review Comparing Numbers	<input type="checkbox"/> I am learning to compare and order numbers from 0 up to 100; using greater than, less than, and = sign <input type="checkbox"/> I can compare numbers by building an equal set that contains up to 100 elements <input type="checkbox"/> I can identify numbers on a number line 0 to 100
	Comparing by Subtraction	<input type="checkbox"/> I can compare numbers to 100 using multiple strategies <input type="checkbox"/> I can create grade-appropriate picture problems using a variety of strategies
Creating Math Stories with Addition and Subtraction	<input type="checkbox"/> I am learning to solve problems with addition and subtraction, using pictorial and abstract representations including missing number problems <input type="checkbox"/> I can create grade-appropriate story problems using a variety of strategies <input type="checkbox"/> I can solve one step problems involving addition and subtraction using pictorial and abstract representation	
<u>Number Patterns</u> <i>"I am learning to skip count numbers to 100."</i>	Skip Counting by 5s	<input type="checkbox"/> I can group and count manipulatives by fives to 100
	Skip Counting by 2s	<input type="checkbox"/> I can group and count manipulatives by twos to 100 <input type="checkbox"/> Use manipulatives to identify and model odd and even numbers
	More and Less	<input type="checkbox"/> I can identify one and ten more or less than a number to 100 <input type="checkbox"/> I can estimate reasonableness of answers to basic fact problems
	Missing Numbers	<input type="checkbox"/> I can determine the total number of objects in a set using groups of 2s, 5s, or 10s and counting on
	Word Problems	<input type="checkbox"/> I can use skip counting to solve addition and subtraction problems <input type="checkbox"/> I can solve grade-appropriate picture and story problems using a variety of strategies
<u>Addition to 20</u> <i>"I am learning to solve problems with addition and subtraction, using pictorial and abstract representations including missing number problems."</i>	Addition Strategies for Adding to 20	<input type="checkbox"/> I can use concrete objects to model the addition of two or three addends <input type="checkbox"/> I can count on to add <input type="checkbox"/> I can write the corresponding number sentence to an addition problem
	Doubles	<input type="checkbox"/> I can quickly recall basic addition facts with sums to 20
	Addition Word Problems	<input type="checkbox"/> I can solve addition problems to 20 <input type="checkbox"/> I can write the corresponding number sentence to an addition problem
	Properties of Addition	<input type="checkbox"/> I can use concrete objects to model the operations of addition and subtraction <input type="checkbox"/> I can apply properties of operations as strategies to add
	Adding Three Numbers	<input type="checkbox"/> I can use concrete objects to model the addition of two or three addends <input type="checkbox"/> I can add by making ten
Word Problems	<input type="checkbox"/> I can solve grade-appropriate picture and story problems using a variety of strategies <input type="checkbox"/> I can demonstrate proficiency with +/- 0, +/- 1, doubles, and sum-equals-ten addition and subtraction facts such as $6 + 4 = 10$ and $10 - 7 = 3$	
<u>Subtraction from Numbers to 20</u> <i>"I am learning to solve problems with addition and subtraction, using pictorial and abstract representations including missing number problems."</i>	Subtraction Strategies for Subtracting from Numbers to 20	<input type="checkbox"/> I can use models to explain subtraction <input type="checkbox"/> I can count on to add <input type="checkbox"/> I can write the corresponding number sentence to a subtraction problem
	Using Addition to Subtract	<input type="checkbox"/> I can demonstrate the relationship between addition and subtraction using fact families and inverse operations
	Counting Back to Subtract	<input type="checkbox"/> I can use concrete objects to model the operations of subtraction <input type="checkbox"/> I can count on from a number to subtract
	Decomposing Numbers Making Ten to Subtract	<input type="checkbox"/> I can use concrete objects to model the addition of two or three addends <input type="checkbox"/> I can subtract by making ten
	Subtraction Word Problems	<input type="checkbox"/> I can solve subtraction problems to 20 <input type="checkbox"/> I can write the corresponding number sentence to a subtraction problem <input type="checkbox"/> I can solve grade-appropriate picture and story problems using a variety of strategies

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Money <i>"I am learning to recognize and know the different value or different denominations of coins and bills."</i>	U.S. Currency	<input type="checkbox"/> I can identify \$1, \$5, \$10, and \$20 bills <input type="checkbox"/> I can recognize and use symbols for USD (\$)
	Nicaraguan Cordobas	<input type="checkbox"/> I can recognize and use symbols for Cordobas (c) <input type="checkbox"/> I can identify cordobas in denominations of .25 .50, 1, 5, 10, 20, 50, 100
	Word Problems	<input type="checkbox"/> I can solve word problems involving money <input type="checkbox"/> I can solve problems involving addition and subtraction of money in the same unit <input type="checkbox"/> I can calculate and compare the values of combinations and coins
Foundations of Multiplication <i>"I am learning to multiply by making equal groups."</i>	Adding Equal Groups	<input type="checkbox"/> I can record different representations of the same quantity (0-20) as equalities
	Put the Same Number in Each Group	<input type="checkbox"/> I can compare numbers by building an equal set that contains up to 20 elements
	Make Groups with the Same Number	<input type="checkbox"/> I can compare numbers by building an equal set that contains up to 20 elements
	Arrays and Multiplication	<input type="checkbox"/> I can arrange equal groups in an organized manner such as an array <input type="checkbox"/> I can solve one step multiplication problems using pictorial representation
	Making Multiplication Stories	<input type="checkbox"/> I can make equal groups using concrete objects and count the total number of objects in the groups by repeated addition using language such as "two groups of five" or "two fives"
Write Multiplication Stories	<input type="checkbox"/> I can make equal groups using concrete objects and count the total number of objects in the groups by repeated addition using language such as "two groups of five" or "two fives"	
Foundations of Division <i>"I am learning to divide by making equal groups."</i>	Sharing and Grouping	<input type="checkbox"/> I can determine the total number of objects in a set using equal groups
	Divide by Sharing	<input type="checkbox"/> I can determine the total number of objects in a set using equal groups
	Divide by Grouping	<input type="checkbox"/> I can determine the total number of objects in a set using equal groups
	Making Division Stories	<input type="checkbox"/> I can create number patterns based on real-life situations using words and pictures
	Write Division Stories	<input type="checkbox"/> I can divide a set of concrete objects into equal groups, and discuss the grouping and sharing concepts of division
Halves and Fourths <i>"I am learning to recognize, find, name and write equal parts of an object, shape or quantity."</i>	Making Halves and Fourths	<input type="checkbox"/> I can recognize and name: <ul style="list-style-type: none"> <input type="checkbox"/> A half as one of 2 equal parts of an object, shape or quantity <input type="checkbox"/> A quarter as one of a 4 equal parts of an object, shape or quantity
	Recognize Halves and Fourths	<input type="checkbox"/> I can identify why a given part is a half a whole or part of a group, using concrete models <input type="checkbox"/> I can explain why a given part is a fourth of a whole or part of a group, using concrete models