

Name: _____



SAN JUAN DEL SUR DAY SCHOOL

GRADE 2 MATH LEARNING OUTCOMES STUDENT CHECKLIST

UNIT CONCEPT	LESSON TOPIC	LEARNING GOAL
Place Value <i>"I am learning to recognize place value of digits in 3- digit number."</i>	Representing 2-Digit Numbers (using base 10 models)	<input type="checkbox"/> I can count within 100 <input type="checkbox"/> I can recognize place value of digits in 2-digit number <input type="checkbox"/> I can group objects into tens and ones to show 2-digit numbers
	Place Value and Naming Numbers	<input type="checkbox"/> I can recognize place value of digits in 3-digit numbers <input type="checkbox"/> I can read and write numbers for numbers 0-100
	Ordering Numbers within 100	<input type="checkbox"/> I can recognize place value of digits in 3-digit number
	Counting Within 1,000	<input type="checkbox"/> I can count within 1,000 <input type="checkbox"/> I can represent numbers up to 1,000 <input type="checkbox"/> I can find 10 more than any given number up to 1000 <input type="checkbox"/> I can find 10 less than any given number up to 1000
	Comparing Numbers	<input type="checkbox"/> I can count within 1000 <input type="checkbox"/> I can use place value to compare and order numbers
	Number Patterns	<input type="checkbox"/> I can count in multiples of: <input type="checkbox"/> 10 forward from any given number to 100 <input type="checkbox"/> 10 backward from other multiples of 10 <input type="checkbox"/> 10 backward from any given number <input type="checkbox"/> I can count in multiples of 5, 10, 100
Interpreting Data <i>"I am learning to interpret and construct data."</i>	Tables	<input type="checkbox"/> I can use and interpret tables to compare data <input type="checkbox"/> I can present discrete data using appropriate charts and graphs
	Pictographs	<input type="checkbox"/> I can construct a pictogram from given data <input type="checkbox"/> I can organize, represent, and interpret data in a pictogram with varying symbols
	Bar Graphs (Bar Charts)	<input type="checkbox"/> I can construct a bar graph from given data <input type="checkbox"/> I can interpret horizontal and vertical bar graphs <input type="checkbox"/> I can organize, represent, and interpret data in a bar graph with a scaled axis
	Line Plots	<input type="checkbox"/> I can complete a line plots from given data <input type="checkbox"/> I can organize, represent, and interpret data in a line plot
	Presenting Data with Charts & Graphs	<input type="checkbox"/> I can count and sort data by: <input type="checkbox"/> Counting the number of objects in each category <input type="checkbox"/> Sorting the categories by quantity <input type="checkbox"/> Asking simple questions about categories <input type="checkbox"/> Answering simple questions about categories. <input type="checkbox"/> Answering questions involving totalling and comparing category data.
Number Sense: Addition and Subtraction <i>"I am learning to add and subtract numbers using different methods."</i>	Adding 2-Digit Numbers	<input type="checkbox"/> I can use place value to solve addition problems <input type="checkbox"/> I can represent number bonds in addition to 100 <input type="checkbox"/> I can show that addition of 2 numbers can be done in any order (commutative) and subtraction of one number from another can not
	Adding with an Expanded Algorithm	<input type="checkbox"/> I can use place value to solve addition problems
	Mental Math - Addition	<input type="checkbox"/> I can add numbers mentally, including: <input type="checkbox"/> TU+U up to 100 <input type="checkbox"/> TU+T up to 100 <input type="checkbox"/> TU+TU up to 100 <input type="checkbox"/> U+U+U
	Addition Word Problems	<input type="checkbox"/> I can add within 100 to solve two step problems <input type="checkbox"/> I can create a word problem using a whole number for addition
	Subtraction 2-Digit Numbers	<input type="checkbox"/> I can use place value to solve subtraction problems <input type="checkbox"/> I can represent number bonds in subtraction to 100 <input type="checkbox"/> I can show that addition of 2 numbers can be done in any order (commutative) and subtraction of one number from another can not
	Subtracting with an Expanded Algorithm	<input type="checkbox"/> I can use place value to solve subtraction problems
	Mental Math - Subtraction	<input type="checkbox"/> I can add numbers mentally, including: Add TU+U up to 100 Add TU+T up to 100 Add TU+TU up to 100 Add U+U+U
	Addition with Regrouping	<input type="checkbox"/> I can use place value to solve addition problems
	Subtracting with Renaming/Regrouping	<input type="checkbox"/> I can use place value to solve subtraction problems
	Subtraction Word Problems	<input type="checkbox"/> I can subtract within 100 to solve two step problem <input type="checkbox"/> I can answer 2 step problems using subtraction
Addition and Subtraction	<input type="checkbox"/> I can recognize inverse relationships between addition and subtraction and use this to check calculations <input type="checkbox"/> I can use inverse relations to solve missing number problems <input type="checkbox"/> I can use inverse relationships between addition and subtraction to check calculation	

Name: _____



SAN JUAN DEL SUR DAY SCHOOL



GRADE 2 MATH LEARNING OUTCOMES STUDENT CHECKLIST

UNIT CONCEPT	LESSON TOPIC	LEARNING GOAL
<p>Time</p> <p><i>"I am learning to tell, write, read, estimate time, and sequence events in chronological order using language related to dates."</i></p>	Units of Time	<input type="checkbox"/> I can sequence events in chronological order using language related to dates: weeks, months, years <input type="checkbox"/> I can organize, represent, and interpret data on a clock <input type="checkbox"/> I know the amount of minutes in an hour <input type="checkbox"/> I know the amount of hours in a day <input type="checkbox"/> I know the amount of seconds in a minute
	Calculating Time to the Hour	<input type="checkbox"/> I can compare time in terms of minutes and hours <input type="checkbox"/> I can read an analog and digital clock with accuracy <input type="checkbox"/> I can write the time on an analog and digital clock with accuracy <input type="checkbox"/> I can draw times on a clockface
	Calculating Time to the Half Hour	<input type="checkbox"/> I can compare time in terms of minutes and hours <input type="checkbox"/> I can read an analog and digital clock with accuracy <input type="checkbox"/> I can write the time on an analog and digital clock with accuracy <input type="checkbox"/> I can draw times on a clockface
	Calculating Time to Five Minutes	<input type="checkbox"/> I can read an analog and digital clock with accuracy <input type="checkbox"/> I can write the time on an analog and digital clock with accuracy <input type="checkbox"/> I can draw times on a clockface <input type="checkbox"/> I can estimate and measure time
	Problem Solving with Time	<input type="checkbox"/> I can compare and sequence intervals of time <input type="checkbox"/> I can read time using o'clock, a.m./p.m, morning, afternoon, midnight and noon <input type="checkbox"/> I can solve up to 2-step word problems involving time <input type="checkbox"/> I can record my measurements for time using stopwatches.
<p>Operations and Algebraic Thinking</p> <p><i>"I am learning to calculate multiplication and division problems."</i></p>	Arrays	<input type="checkbox"/> I can determine the total number of objects in a set using groups of 2s, 5s, or 10s and counting on
	Odd & Even Numbers	<input type="checkbox"/> I can recognize even and odd numbers <input type="checkbox"/> I can group odd and even numbers
	Strategies for Determining Equal Groups	<input type="checkbox"/> I can solve one-step multiplication problems using: <ul style="list-style-type: none"> <input type="checkbox"/> pictorial representation <input type="checkbox"/> arrays with the help of a teacher (up to 5 rows by 5 columns) <input type="checkbox"/> materials and arrays independently (up to 5 rows by 5 columns) <input type="checkbox"/> multiplication and division facts in contexts <input type="checkbox"/> I can show that multiplication of 2 numbers can be done in any order (Commutative Property)
	Foundations of Division as Sharing Equal Groups	<input type="checkbox"/> I can solve one-step division problems using <ul style="list-style-type: none"> <input type="checkbox"/> pictorial representation <input type="checkbox"/> arrays with the help of a teacher (up to 5 rows by 5 columns) <input type="checkbox"/> materials and arrays independently (up to 5 rows by 5 columns) <input type="checkbox"/> multiplication and division facts in contexts <input type="checkbox"/> I can show that division of 2 numbers can not be done in any order
	Word Problems Using the Four Operations	<input type="checkbox"/> I can solve multiplication and division problems by writing them using the (X, %, =) <input type="checkbox"/> I can use multiplication and division to solve word problems in situations involving equal groups, arrays and measurement quantities
<p>Problem Solving: Algebraic Operations</p> <p><i>"I am learning to solve problems using pictorial and abstract representations including missing number problems."</i></p>	Word Problems - Writing Multiplication Stories	<input type="checkbox"/> I can use the terms 'product', 'quotient' and 'remainder' <input type="checkbox"/> I can solve multiplication problems using missing number problems. <input type="checkbox"/> I can use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays and measurement quantities
	Word Problems - Writing Division Stories	<input type="checkbox"/> I can use the terms 'product', 'quotient' and 'remainder' <input type="checkbox"/> I can solve division problems using missing number problems. <input type="checkbox"/> I can use multiplication division within 100 to solve word problems in situations involving equal groups, arrays and measurement quantities
	Word Problems	<input type="checkbox"/> I can solve up to 2-step word problems involving 1 or more operations <input type="checkbox"/> I can solve one-step problems involving the 4 operations using pictorial and abstract representation
	Find the Missing Number	<input type="checkbox"/> I can use inverse relationships between to check calculations for problems involving the four operations <input type="checkbox"/> I can solve missing number problems using inverse operations (eg. $7 = _ - 9$. $7+9 =$)
	10 as a Factor	<input type="checkbox"/> I can determine the total number of objects in a set using groups of: 2s, 5s, 10s, 3's, 4's
	***2 and 5 as Factors	<input type="checkbox"/> I can determine the total number of objects in a set using groups of: 2s, 5s, 10s, 3's, 4's
	*** 3 as a Factor	<input type="checkbox"/> I can determine the total number of objects in a set using groups of: 2s, 5s, 10s, 3's, 4's
	*** 4 as a Factor	<input type="checkbox"/> I can determine the total number of objects in a set using groups of: 2s, 5s, 10s, 3's, 4's

Name: _____



SAN JUAN DEL SUR DAY SCHOOL



GRADE 2 MATH LEARNING OUTCOMES STUDENT CHECKLIST

UNIT CONCEPT	LESSON TOPIC	LEARNING GOAL
<p style="text-align: center;">Foundations of Fractions</p> <p style="text-align: center;"><i>"I am learning to recognize, find, name and write equal parts of an object, shape or quantity."</i></p>	Halves	<input type="checkbox"/> I can recognize a half as one of 2 equal parts of an object, shape or quantity. <input type="checkbox"/> I can find a half as one of 2 equal parts of an object, shape or quantity. <input type="checkbox"/> I can write $1/2$ and $2/4$ of a length, shape, objects or quantity.
	One-Half & One-Fourth	<input type="checkbox"/> I can recognize a quarter as one of a 4 equal parts of an object, shape or quantity. <input type="checkbox"/> I can find a quarter as one of a 4 equal parts of an object, shape or quantity. <input type="checkbox"/> I can write $1/4$ of a length, shape, objects or quantity.
	Halves, Quarters, and Thirds	<input type="checkbox"/> I can recognize, find, and name a third as one of 3 equal parts of an object, shape or quantity. <input type="checkbox"/> I can find and name three quarters 3 of 4 equal parts of an object, shape or quantity.
	Writing Fractions	<input type="checkbox"/> I can write or draw: <ul style="list-style-type: none"> <input type="checkbox"/> $1/3$ of a length, shape, objects or quantity. <input type="checkbox"/> $2/4$ of a length, shape, objects or quantity. <input type="checkbox"/> $3/4$ of a length, shape, objects or quantity <input type="checkbox"/> I can recognize equivalents of: <ul style="list-style-type: none"> <input type="checkbox"/> Half ($2/4$ and $1/2$) <input type="checkbox"/> Quarter ($1/4$ and $2/8$) <input type="checkbox"/> Third ($1/3$ and $2/6$)
	Comparing Unit Fractions	<input type="checkbox"/> I can compare and order unit fractions
	Word Problems: Make a Whole	<input type="checkbox"/> I can add and subtract like fractions within a whole (denominator of given fraction not exceeding 12)
<p style="text-align: center;">Exploring the Four Operations</p> <p style="text-align: center;"><i>"I am learning to solve problems involving the four operations."</i></p>	Place Value to 1,000	<input type="checkbox"/> I can count within 1,000 <input type="checkbox"/> I can represent numbers up to 1,000 <input type="checkbox"/> I can count in multiples of: <ul style="list-style-type: none"> <input type="checkbox"/> 10 forward from any given number to 100 <input type="checkbox"/> 10 backward from other multiples of 10 <input type="checkbox"/> 10 backward from any given number
	Three Digit Addition and Subtraction	<input type="checkbox"/> I can add and subtract numbers up to three digits <input type="checkbox"/> I can use mental calculation for addition and subtraction of: <ul style="list-style-type: none"> <input type="checkbox"/> a 3-digit number and ones <input type="checkbox"/> a 3-digit number and tens <input type="checkbox"/> a 3-digit number and hundreds <input type="checkbox"/> I can use inverse relations to solve missing number problems
	Relating Multiplication and Division	<input type="checkbox"/> I can solve one-step multiplication and division problems using: <ul style="list-style-type: none"> <input type="checkbox"/> pictorial representation <input type="checkbox"/> materials and arrays independently (up to 5 rows by 5 columns) <input type="checkbox"/> multiplication and division facts in contexts <input type="checkbox"/> I can show that multiplication of 2 numbers can be done in any order (Commutative Property) <input type="checkbox"/> I can use inverse relations to solve missing number problems
	Word Problems and Problem Solving	<input type="checkbox"/> I can solve up to 2-step word problems involving addition and subtraction <input type="checkbox"/> I can use inverse relations to solve missing number problems
<p style="text-align: center;">Exploring Measurement of Length</p> <p style="text-align: center;"><i>"I am learning to compare, describe and solve practical problems for length/height."</i></p>	Tools for Measuring Length	<input type="checkbox"/> I can measure length/height <input type="checkbox"/> I can use tools to measure the length of objects I can measure the length of an object twice, using length units of different lengths for the two measurements I can describe how the two measurements relate to the size of the unit chosen
	Metric Length Centimeters, Meters	<input type="checkbox"/> I can measure length/height <input type="checkbox"/> I can use tools to measure objects <input type="checkbox"/> I can estimate and measure length/height <input type="checkbox"/> I can record my measurements for length/height
	Imperial Length Inches, Feet, Yards	<input type="checkbox"/> I can measure length/height <input type="checkbox"/> I can measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes. <input type="checkbox"/> I can estimate and measure length/height <input type="checkbox"/> I can record my measurements for length/height
	Comparing Lengths	<input type="checkbox"/> I can compare and order lengths <input type="checkbox"/> I can compare lengths using the greater than, less than and equal sign.
	Length Word Problems	<input type="checkbox"/> I can solve word problems involving length <input type="checkbox"/> I can use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units,
<p style="text-align: center;">Exploring Measurement of Mass</p> <p style="text-align: center;"><i>"I am learning to compare, describe and solve practical problems for weight/mass."</i></p>	Comparing Mass (Metric)	<input type="checkbox"/> I can compare weight/mass <input type="checkbox"/> I can use tools to compare the weight/mass of objects <input type="checkbox"/> I can estimate and measure mass <input type="checkbox"/> I can weigh, record, and compare various objects
	Comparing Weight (Imperial)	<input type="checkbox"/> I can add and subtract mass <input type="checkbox"/> I can estimate and measure mass <input type="checkbox"/> I can convert measurement to the smaller unit including: (kg - g) <input type="checkbox"/> I can weigh, record, and compare various objects
	Mass/Weight Word Problems	<input type="checkbox"/> I can estimate and measure mass and weight <input type="checkbox"/> I can solve word problems involving mass and weight

Name: _____



SAN JUAN DEL SUR DAY SCHOOL



GRADE 2 MATH LEARNING OUTCOMES STUDENT CHECKLIST

UNIT CONCEPT	LESSON TOPIC	LEARNING GOAL
<p>Exploring Measurement of Capacity</p> <p><i>"I am learning to compare, describe and solve practical problems for"</i></p>	Metric Capacity	<input type="checkbox"/> I can add and subtract capacity <input type="checkbox"/> I can estimate and measure capacity <input type="checkbox"/> I can convert measurement to the smaller unit including:(l - ml) <input type="checkbox"/> I can measure, record, and compare various objects
	Imperial Capacity	<input type="checkbox"/> I can add and subtract capacity <input type="checkbox"/> I can estimate and measure capacity <input type="checkbox"/> I can convert measurement to the smaller unit including: (gal, qt, pt, c) <input type="checkbox"/> I can measure, record, and compare various objects
	Capacity Word Problems	<input type="checkbox"/> I can estimate and measure capacity <input type="checkbox"/> I can solve word problems involving capacity
<p>Money</p> <p><i>"I am learning to recognize and know the different value or different denominations of coins and bills."</i></p>	Dollars and Cents	<input type="checkbox"/> I can name US currency and determine the value <input type="checkbox"/> I can use the four operations to solve problems involving US currency. <input type="checkbox"/> I can find different combinations of amounts of coins that equal the same amount of money
	Cordobas	<input type="checkbox"/> I can name Nicaraguan currency and determine the value <input type="checkbox"/> I can use the four operations to solve problems involving Nicaraguan currency. <input type="checkbox"/> I can combine amounts of Cordobas to make a particular value.
	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
<p>Properties of Shapes</p> <p><i>"I am learning to recognize and name shapes."</i></p>	Flat and Curved Faces and Shapes	<input type="checkbox"/> I can identify and describe the properties of 2D shapes finding number of faces (sides), edges, and vertices <input type="checkbox"/> I can identify straight lines and curves and describe how they form the figures
	Two-Dimensional Shapes	<input type="checkbox"/> I can identify and describe the properties of 2D shapes finding: <ul style="list-style-type: none"> <input type="checkbox"/> Number of sides <input type="checkbox"/> Line of symmetry in a vertical line <input type="checkbox"/> I can form different 2-dimensional figures with cut-outs of <ul style="list-style-type: none"> <input type="checkbox"/> rectangle <input type="checkbox"/> square <input type="checkbox"/> triangle <input type="checkbox"/> semicircle <input type="checkbox"/> quarter circle
	Three-Dimensional Shapes	<input type="checkbox"/> I can identify prisms, cylinders, pyramids, and cones <input type="checkbox"/> I can identify edges and faces of a 3-dimensional object <input type="checkbox"/> I can form different 3-dimensional figures with concrete models of <ul style="list-style-type: none"> <input type="checkbox"/> cube <input type="checkbox"/> cone <input type="checkbox"/> cylinder
	Decompose Shapes	<input type="checkbox"/> I can identify the basic shapes that make up a given figure <input type="checkbox"/> I can partition a rectangle into rows and columns of same-size squares and count to find the total number of them.
	Patterns	<input type="checkbox"/> I can complete patterns according to shape, size, orientation, and color <input type="checkbox"/> I can order and arrange objects in patterns and sequences
	Angles and Shapes	<input type="checkbox"/> I can use math vocabulary to describe position, direction and movement: Including movement in a straight line <input type="checkbox"/> I can identify rotation as a turn in terms of right angles for a quarter, a half and $\frac{3}{4}$ turn
<p>Fact Fluency</p>	Addition and Subtraction Facts to 20	<input type="checkbox"/> I can fluently add and subtract numbers within 20.
	Addition and Subtraction Facts to 100	<input type="checkbox"/> I can fluently add and subtract numbers within 100, using various strategies.
	Multiplication and Division Facts	<input type="checkbox"/> I am learning the multiplication and division tables