Grade 2 Mathematics	Unit 1 – Understanding Addition and Subtraction
Big Idea/Rationale:	The goal of Unit 1 is to explore numbers to 18 by breaking apart each total into two smaller numbers called "partners". Understanding the concept of two partners embedded in a number is a precursor to adding and subtracting multi-digit numbers and to understanding the inverse relationships of addition and subtraction. • Explore Addition and Subtraction Concepts • Break Apart Numbers ≤ 10 • Add and Subtract Using 10 • Relate Addition and Subtraction • Understand Equations and Inequalities
Enduring Understandings:	 Students will understand that: Addition number sentences can be used to show parts of a whole and joining parts of a whole. Subtraction number sentences can be used to show separating parts from a whole or to compare subtraction situations. The inverse relationship between addition and subtraction can be used to find subtraction facts (every subtraction fact has a related addition fact).
Essential Questions:	 How can you represent a joining story with an addition number sentence? How can you solve a story about separating and comparing using models, manipulatives and writing a number sentence? How can you write related addition and subtraction facts? How can using objects help you decide whether to add or subtract to find the correct answer?
Lesson Objectives:	 Paraphrase, represent and solve story problems. Recognize math as part of daily life. Create story problems. Solve addition and subtraction problems involving 0 or 1. Construct and verbalize rules for adding and subtracting 0 or 1. Explain how to solve story problems. Show numbers in different ways. Represent numbers 6-10 as 5 and some more. Recognize teen numbers as, ten and some ones. Introduce word names for numbers to 20. Identify the break-aparts of 10. Identify the break-aparts of the numbers 2-9. Visualize various number groupings. Identify the break-aparts of number 2-10. Count on to solve addition and subtraction problems. Add two numbers that make a teen total.

	• Use the strategy "Make a Ten" to add two numbers that make a teen
	total.
	 Compare finger, written and mental strategies of making a ten to add numbers.
	 Solve real world addition and subtraction problems.
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	 Add or subtract by counting on, using a number line. Understand what the equal size means and recognize the sumbal for "is
	 Understand what the equal sign means and recognize the symbol for "is not equal to".
	 Write equations chains.
	Write equations chains.Write equations in vertical form.
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	 Write equations involving a total and two partners. Create and calve story problems
	 Create and solve story problems. Concerts equations from moth mountains.
	 Generate equations from math mountains. Compare two numbers using the context symbol.
	 Compare two numbers using the < or > symbol. Order three numbers
Common Core	 Order three numbers. 2.0A.A.1: Use addition and subtraction within 100 to solve one- and two-
State Standards:	
State Stanuarus:	step word problems involving situations of adding to, talking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g.,
	by using drawings and equations with a symbol for the unknown number
	to represent the problem.
	2.0A.B.2: Fluently add and subtract within 20 using mental strategies. By
	end of Grade 2, know from memory all sums of two one-digit numbers.
	2.NBT.B.5: Fluently add and subtract within 100 using strategies based on
	place value, properties of operations, and/or the relationship between
	addition and subtraction.
	2.NBT.B.6: Add up to four two-digit numbers using strategies based on
	place value and properties of operations.
	2.NBT.B.8: Mentally add 10 or 100 to a given number 100-900, and
	mentally subtract 10 or 100 from a given number 100-900.
	2.MD.B.5: Use addition and subtraction within 100 to solve word
	problems involving lengths that are given in the same units.
	2.MD.B.6: Represent whole numbers as lengths from 0 on a number line
	diagram with equally spaced points corresponding to the numbers 0,1,2,
	and represent whole-number sums and difference within 100 on a number
	line diagram.
	Mathematical Practices
Materials and	Grade 2 Math Expressions, Math Journals, manipulatives, IXL Mathematics
Resources:	Graue 2 Main Expressions, Main Journais, mainpulatives, INE Mathematics
Resources.	