

Unit 1

Sums and Differences to 10

Math Grade 1

Description: Students work with numbers to 10 while making progress to understand the meaning of addition and subtraction, within the context of the Grade 1-word problem situations. They begin building fluency with addition and subtraction facts.

Louisiana Student Standards for Mathematics (LSSM) Instructional Outcomes

Number and Operations in Base Ten	
1.OA.1	Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.
1.OA.3	Apply properties of operations as strategies to add and subtract. <i>Examples: If $8 + 3 = 11$ is known, then $3 + 8 = 11$ is also known. (Commutative property of addition.) To add $2 + 6 + 4$, the second two numbers can be added to make a ten, so $2 + 6 + 4 = 2 + 10 = 12$ (Associative property of addition.)</i>
1.OA.4	Understand subtraction as an unknown-addend problem. For example, subtract $10 - 8$ by finding the number that makes 10 when added to 8.
1. OA.5	Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).
1.OA.6	Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as counting on; making ten (e.g., $8 + 6 = 8 + 2 + 4 = 10 + 4 = 14$); decomposing a number leading to a ten (e.g., $13 - 4 = 13 - 3 - 1 = 10 - 1 = 9$); using the relationship between addition and subtraction (e.g., knowing that $8 + 4 = 12$, one knows $12 - 8 = 4$); and creating equivalent but easier or known sums (e.g., adding 6 + 7 by creating the known equivalent $6 + 6 + 1 = 12 + 1 = 13$).
1.OA.7	Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false. For example,

	which of the following equations are true and which are false? $6 = 6$, $7 = 8 - 1$, $5 + 2 = 2 + 5$, $4 + 1 = 5 + 2$.
1.OA.8	Determine the unknown whole number in an addition or subtraction equation relating three whole numbers. For example, determine the unknown number that makes the equation true in each of the equations $8 + ? = 11$, $5 = \square - 3$, $6 + 6 = \square$.
<p>Enduring Understandings:</p> <ul style="list-style-type: none"> Students will be able to extend the counting sequence to 120 starting at any number less than 120. Students will count by 1s, 5s, and 10s. Students will relate counting up to addition and counting back to subtraction. Students will read and write numbers in the range of 1 – 120 and build number sense by developing an understanding of the order of the counting numbers. Students will be able to represent a number of objects with a written numeral. Students will understand that the two digits of a two-digit number represent amounts of tens and ones. 	<p>Essential Questions:</p> <ul style="list-style-type: none"> How do we show that numbers work together? How can we show and explain our thinking? How does understanding numbers help me?