

Unit 1

Sums and Differences to 20

Grade 2 Math

Description: Students will master sums and differences to 20. Fluency of addition and subtraction within 10 and extensive experience working with numbers to 100 is developed. Students will review 1st grade strategies such as, addition and subtraction properties, counting on and counting back, make a ten, subtracting zero, missing addends, and fact families. Students learn to represent and solve word problems using addition and subtraction: a practice that will also continue throughout the year.

Louisiana Student Standards for Mathematics (LSSM)

Instructional Outcomes

OA - Operations and Algebraic Thinking	
2.OA.A.1	Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking 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.OA.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.
NBT - Number and Operation in Base Ten	
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.

Enduring Understandings:

- Students will use numbers to help answer everyday questions, such as, "how many" and "how much".
- Students will think about numbers and how they are used in different ways.
- Students will show numbers in different ways.
- Students will solve problems in more than one way.
- Addition and subtraction are opposite operations.
- Students will compose and decompose numbers.
- Knowing basic facts helps to solve other problems.

Essential Questions:

- What are different ways we can show or make (represent) a number?
- Why do I use numbers to show "how much" and "how many"?
- How can I solve the same problem in more than one way?
- How are addition and subtraction opposite operations?
- How can I compose and decompose a number?
- How can I use the basic facts to solve other problems?

