

## **Parent Letter**

Dear Second Grade Families,

In Unit 3, students will continue to work on the following second grade Common Core standards in the Operations and Algebraic Thinking (OA) and Number and Operations in Base Ten (NBT) domains.

2.NBT.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.6	Add up to four two-digit numbers using strategies based on place value and
	properties of operations.
2.NBT.7	Add and subtract within 1000, using concrete models or drawings and strategies
	based on place value, properties of operations, and/or the relationship between
	addition and subtraction; relate the strategy to a written method. Understand that in
	adding or subtracting three-digit numbers, one adds or subtracts hundreds and
	hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or
	decompose tens or hundreds.
2.NBT.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.NBT.9	Explain why addition and subtraction strategies work, using place value and the
	properties of operations.
2.OA.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.
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Unit 3 Concepts:

- Mentally Add 10 or 100
- Draw a Picture Strategy
- Place Value Strategy
- Number Line Strategy
- Friendly Number Strategy
- Adding Four Two-Digit Numbers
- One-Step Word Problems

It is very important that second graders learn to manipulate numbers in these ways, and make sense of addition. They are building a strong foundation for future math success.

## Unit 3 Vocabulary:

- Decompose
- Working form
- Counting on
- Commutative property of addition
- Associative property of addition
- Friendly Number
- Addends
- Sum

We encourage you to talk with your child daily about what was learned in math class. Thank you for your support!

## Need a review?

Have your student login to Swun Math to access lesson support videos.



Our focus in this unit is to help students understand what is happening with addition. Before we work with the traditional algorithm, students will first build their conceptual understanding of addition with several different strategies and models.

When helping with homework at home, ask your child to show you how they're using these strategies and models to show how they understand what they're adding.



## Friendly Number Strategy

**Friendly number:** numbers that are easier to work with.

$$69 + 27 = \frac{+1 - 1}{70 + 26} = 96$$

- 1. Use a number line/hundreds chart to see if an addend is close to a "friendlier" number (e.g., multiple of 10).
- 2. Add what is needed to make the addend a friendly number and subtract the same amount from another addend.
- 3. Add the two new addends.

Ask questions like these to help your child become a productive mathematical thinker:

- How do these strategies help you add more efficiently?
- Why did you chose that particular strategy to solve the problem?
- Can you find the same solution using a different strategy?

