

## **Parent Letter**

Dear First Grade Families,

In Unit 3, students will work on the following first grade Common Core standards in the Operation and Algebraic Thinking (OA) domain.

1.OA.3	Apply properties of operations as strategies to add and subtract. <i>Examples: If</i> 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.)
1.0A.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 (breaking apart) 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 $6 + 6 + 1 = 12 + 1 = 13$ ).

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strategy? Why?

instead of another

and why.

Unit 3 Concepts:

- Add by counting on using a number line and a number bond
- Make 10 with a base ten frame
- Make 10 with a diagram
- Make easier and known totals

Unit 3 Vocabulary:

- Base ten blocks
- Number line
- Base ten frame
- Equation
- Expression
- Doubles
- Doubles plus one
- Decompose (break apart) a number to make ten

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

Ask questions like these to help your child

become a productive mathematical thinker:

than it would be to use the number line

• Show me how to solve 7 + 8 with base ten frames. Explain to me what you're doing

Tell me why you chose to use this strategy

How much will they cost together? How did

The lettuce is \$3 and the chicken is \$8.

you solve that in your head?

Is it more efficient to count on to solve 13 + 1

## 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.

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

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.





There's no one "right way" to **Doubles Plus One Strategy** This strategy works best when children have solve math problems. committed their "doubles" to memory (e.g. 1+1, 8 + 9Sometimes one strategy is 5+5, 8+8). more or less efficient than 8 + 9 = 8 + 8 + 1another. Ask your child why they chose a particular If the partners are two consecutive numbers: 16 + 1 8 + 9 = strategy, and encourage 1. Break apart the greater partner to show multiple ways to solve. Most 8 + 9 = 17 the "doubles." importantly, ask your child to explain why their answer 2. Add the double, then add one more. makes sense.

