Unit 5

Family Letter

Florida Reveal MATH®

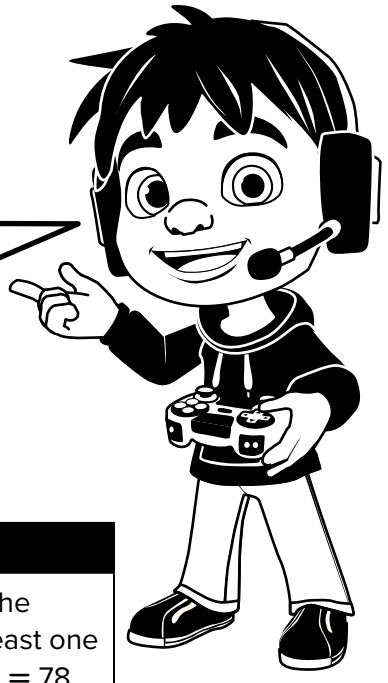
Dear Family,

In this unit, Strategies to Fluently Add within 100, we will learn how to use different strategies to add two or more two-digit numbers, add two-digit numbers on a number line, understand addends can be added in any order, and use strategies to solve equations and word problems.

STEM Career Kid for this Unit

Hi, I'm Erik.

Hello! My name is Erik, and I want to be a video game designer. Video game designers use math when they determine how many points players earn while playing a game.



What math terms will your child use?

Term	Student Understanding
adjust	to add an amount to one addend and take away the same amount from another addend to create at least one friendly number, for example, $52 + 26 = 50 + 28 = 78$
friendly numbers	numbers that are easy to add
partial sums	totals of parts of an addition problem; partial sums can be added together to find a total sum

Math @ Home Activity

What can your child do at home?

Encourage your child to practice using addition strategies, such as counting on, making a 10, and using doubles. With your child, write each strategy on small pieces of paper. Have him or her pick a piece of paper and use the strategy on it to solve a 2-digit addition problem.

What Will Students Learn in this Unit?

Adding Two 2-Digit Numbers

In this unit, your child will learn different strategies for adding two 2-digit numbers. He or she will use visual representations of the addition problems, such as base-ten blocks and number lines, to help him or her find the sums. Your child will also learn to decompose one or both addends in 2-digit addition problems to find the sums. Finally, your child will adjust the addends to make friendly numbers to add. With this strategy, both addends are adjusted by the same amount.

Examples:

Decompose One Addend

$28 + 34 = ?$

$30 + 4$

$28 + 30 = 58$

$58 + 4 = 62$

So, $28 + 34 = 62$.

Decompose Both Addends

$28 + 34 = ?$

$20 + 8$ $\quad$ $30 + 4$

Add the tens. $20 + 30 = 50$

Add the ones. $8 + 4 = 12$

Add the partial sums. $50 + 12 = 62$

So, $28 + 34 = 62$.

Adjust Addends

$28 + 34 = ?$

$+2$ $\quad$ -2

$30 + 32 = 62$

Adding More Than Two Numbers

Your child will also learn to use addition strategies learned earlier in this unit to add three or four 2-digit numbers and determine unknowns in an addition equation. He or she will learn that an equation is true when the total on each side of an equal sign are equal. Your child will understand there is more than one way to find the sum of three or four 2-digit numbers. For example, your child will learn that he or she can change the order of addends, decompose one or more addends, or adjust addends to make it easier to find the sum of three or four 2-digit numbers.

Solving Word Problems Using Addition Strategies

Your child also will also solve word problems using addition strategies. Ask your child to explain how he or she used a strategy to find the sum.

Example:

Jess plays the guitar for 38 minutes on Saturday. On Sunday, she plays the guitar for 23 more minutes than she played on Saturday. How many minutes does Jess play the guitar on Saturday and Sunday?

Jess plays the guitar for 99 minutes on Saturday and Sunday.