Unit **10**

Family Letter

Reveal MATH®

Dear Family,

In this unit, Strategies to Subtract 3-Digit Numbers, we will be learning about different strategies that can be used to subtract 3-digit numbers.

STEM Career Kid for this Unit

Hi, I'm Kayla.

Hello! My name is Kayla, and I want to be a landscape architect. Landscape architects use math when they determine how many plants will fit in an area that needs landscaping.

What math terms will your child use?

Term	Student Understanding
adjust	to add or subtract the same amount to create at least one friendly number; example: $462 - 257 = 205$ $\boxed{-7}$ $\boxed{-7}$ $455 - 250 = 205$
count back	on a number line, start at the greater number and count back the lesser number
count on	on a number line, start at one addend and count on the other addend
decompose	to break a number into different parts

Math @ Home Activity

What can your child do at home?

Review the subtraction strategies used in each lesson. After each lesson, ask your child to show you how to use the learned strategy to solve an everyday subtraction problem that involves 3-digit numbers.

What Will Students Learn in this Unit?

Decomposing Numbers to Count Back

In this unit, your child learns how to decompose numbers to make subtracting friendlier, or easier. It is important that students correctly decompose a number before subtracting. If a number is decomposed incorrectly, the difference will be incorrect. The following example shows how to find 343 – 186 by decomposing 186 in two different ways.

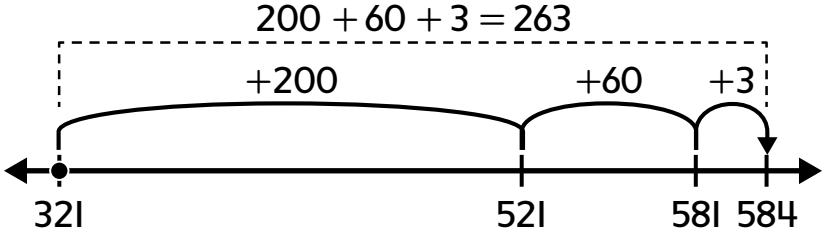
Decompose 186 into 100 and 80 and 6.	Decompose 186 into 100 and 43 and 43.
$343 - 100 - 80 - 6 = ?$	$343 - 100 - 43 - 43 = ?$
$343 - 100 = 243$ $243 - 80 = 163$ $163 - 6 = 157$	$343 - 100 = 243$ $243 - 43 = 200$ $200 - 43 = 157$
$343 - 186 = 157$	$343 - 186 = 157$

Subtracting by Counting On

Your child also learns to count on to subtract numbers. Students will learn how to use a number line to find differences by counting on. It is important that students realize the total of the jumps is the difference of the two numbers.

Example:

$584 - 321 = ?$



Adjusting Numbers for Friendly Subtraction

Your child also learns how to adjust numbers for friendlier, or easier, subtraction. In order to get the correct difference, students need to adjust both numbers in the problem by the same amount.

Example:

$612 - 498 = ?$

$612 - 498 = 114$
$+2 \quad +2$
$614 - 500 = 114$