

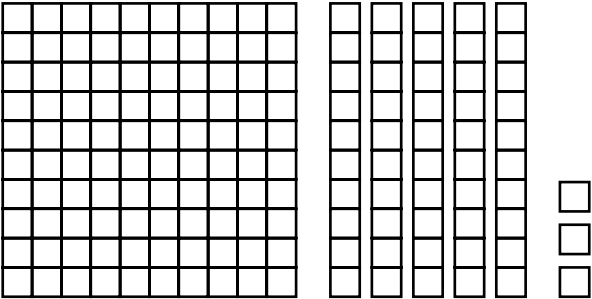


## About the Mathematics in This Unit (page 1 of 2)

Dear Families,

Our class is starting a new mathematics unit about addition and subtraction called *Trading Stickers, Combining Coins*. During this unit, students solve addition problems with 2-digit and small 3-digit numbers, solve subtraction problems involving 2-digit numbers, and find combinations of numbers that add to 100. They work on understanding the place value structure of 3-digit numbers as they solve problems.

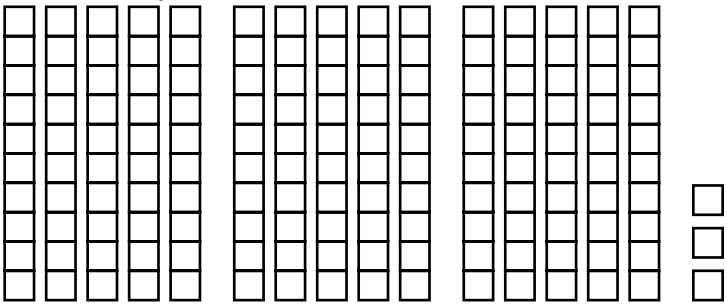
Throughout the unit, students work toward these goals:

BENCHMARKS/GOAL	EXAMPLES
Demonstrate fluency with the addition combinations to $10 + 10$	How can you use $6 + 6$ to help you learn $6 + 7$ ? $6 + 6 = 12$ $6 + 7 = ?$
Add multiples of 10 up to 100 to and subtract them from 2- and small 3-digit numbers	What patterns do you notice among these problems? $\begin{array}{r} 163 \\ - 10 \\ \hline 153 \end{array}$ $\begin{array}{r} 163 \\ - 20 \\ \hline 143 \end{array}$ $\begin{array}{r} 163 \\ - 30 \\ \hline 133 \end{array}$
Solve addition problems with 2-digit numbers using strategies involving breaking numbers apart by place or adding on one number in parts	Solve: $\begin{array}{r} 74 \\ + 38 \\ \hline \end{array}$ $70 + 30 = 100$ $4 + 8 = 12$ $100 + 12 = 112$
Break up 3-digit numbers less than 200 into hundreds, tens, and ones in different ways (e.g., 153 equals 1 hundred, 5 tens, and 3 ones, or 15 tens and 3 ones)	Show the number 153 by using ones, tens, and hundreds in two ways. First way:  1 hundred, 5 tens, 3 ones

(continued)



## About the Mathematics in This Unit (page 2 of 2)

BENCHMARKS/GOAL	EXAMPLES
	Second way:  15 tens, 3 ones
Find combinations of 2-digit numbers that add to 100 or \$1.00	Solve this problem: $\$0.54 + \underline{\quad\quad} = \$1.00$

This unit is the first of three units in Grade 3 that focus on addition, subtraction, and the number system. Later this year, students will solve addition and subtraction problems with larger numbers and will work on developing accurate and efficient strategies for both addition and subtraction.

In our math class, students spend time discussing problems in depth and share their reasoning and solutions. It is important that students accurately and efficiently solve math problems in ways that make sense to them. At home, encourage your child to explain his/her math thinking to you.

Please look for more information and activities about *Trading Stickers, Combining Coins* that will be sent home in the coming weeks.