



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

Dear Family,

Our class is starting a new addition and subtraction unit called *Landmarks and Large Numbers*. In this unit, students practice and refine strategies for adding and subtracting whole numbers up to 10,000. Students are expected to leave Grade 4 with at least one addition strategy they use fluently and efficiently. Students are also expected to have access to and understanding of other possible strategies. Students continue to develop and use subtraction strategies with the goal of using at least one strategy efficiently and accurately. They solve subtraction problems involving removal, comparison, and missing parts.

Throughout the unit, students work toward these goals:

BENCHMARK/GOAL	EXAMPLES
Read, write, and sequence numbers up to 10,000.	Is 4,736 closer to 4,000 or 5,000? How do you know?
Add and subtract multiples of 10 (including multiples of 100 and 1,000) fluently.	What number is 300 more than 4,736? What number is 50 less than 4,736?
Solve addition problems efficiently, choosing from a variety of strategies.	$2,478 + 685 =$ Solution 1: $\begin{array}{r} 2,478 \\ + 600 \\ \hline 3,078 \\ + 80 \\ \hline 3,158 \\ + 5 \\ \hline 3,163 \end{array}$ Solution 2: $2,478 + 700 = 3,178$ $3,178 - 15 = 3,163$

(continued)

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

BENCHMARK/GOAL	EXAMPLES
Solve subtraction problems with 3-digit numbers by using at least one strategy efficiently.	$973 - 365 =$ $973 - 300 = 673$ $673 - 60 = 613$ $613 - 5 = 608$

In our math class, students spend time discussing problems in depth and are asked to share their reasoning and solutions. It is important that children solve math problems accurately and efficiently in ways that make sense to them. At home, encourage your child to explain the math thinking that supports those solutions.

Please look for more information and activities about *Landmarks and Large Numbers* that will be sent home in the coming weeks.