



**Mathematics Family Letter, Advanced Unit 8**

Dear Family,

Our class is starting a new unit in math during which we will be reviewing many concepts we have been working on throughout the year. Students will continue exploring place value and adding and subtracting up to 5-digit numbers with regrouping in story problem situations. They will check their answers using inverse relationships. Students will use many strategies including estimating and using benchmark numbers to solve real life problems.

Below you will find student goals for this unit as well as examples.

Benchmarks/Goals	Examples										
Subtract numbers up to 5-digits with regrouping	Katrina had 431 pennies. She gave 232 of them to her mom. How many pennies does she have left?										
Add numbers up to 5-digits with regrouping	Chen had 236 stamps. His brother gave him 125 more. How many stamps does Chen have now?										
Use mental math strategies such as benchmark numbers	$320 + 147$ $\quad \quad \quad \wedge$ $\quad \quad \quad 100 + 40 + 7$ $320 + 100 = 420$ $420 + 40 = 460$ $460 + 7 = 467$										
Estimate solutions	$58 + 23$ is about $60 + 20 = 80$ OR $497 + 112$ is about $500 + 100 = 600$										
Understand and use the inverse relationship between addition and subtraction	$\begin{array}{r} 452 \\ - 121 \\ \hline 331 \end{array}$ $\begin{array}{r} 331 \\ + 121 \\ \hline 452 \end{array}$										
Identify place values through the ten thousands	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 12.5%;"><u>1</u></td> <td style="width: 12.5%;"><u>3</u></td> <td style="width: 12.5%;"><u>5</u></td> <td style="width: 12.5%;"><u>7</u></td> <td style="width: 12.5%;"><u>6</u></td> </tr> <tr> <td>ten thousands</td> <td>thousands</td> <td>hundreds</td> <td>tens</td> <td>ones</td> </tr> </table>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>6</u>	ten thousands	thousands	hundreds	tens	ones
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ten thousands	thousands	hundreds	tens	ones							

Students continue to engage in math problems and activities and share how they solve problems. At home, you can encourage your child to explain his or her math thinking to you as you engage in activities that further support the mathematics in this unit. Look for addition and subtraction situations at home, such as the following:

There are 1,326 beans in this jar and 942 beans in this jar. If we pour all of the beans from both jars into a bowl, how many beans will there be altogether?

You have 2,142 baseball cards and your brother has 1,312. About how many baseball cards do you have together?

Have a pencil and paper handy and encourage your child to explain how he or she is solving the problems. Encourage your child to make up problems for you to solve.

Sincerely,

The Second Grade Team