

**Grade 3 Unit 1 Family Resource**  
**Unit Name: Applying Place Value Strategies**

What's my child learning in Unit 1?	What does this mean? What does it look like?	How can I help my child at home?
Students will make meaning of rounding strategies to think flexibly and reasonably when estimating and computing (to the nearest 10 or 100).	Mrs. Rutherford drives 158 miles on Saturday and 171 miles on Sunday. When she told her husband she estimated how many miles to the nearest 10 before adding the total. When she told her sister she estimated to the nearest 100 before adding the total. Which method provided a closer estimate?	<a href="#">Rounding Rap Video</a> - Practice the rounding rule with this fun rap.
Students will use a variety of models, representations, and strategies to solve addition and subtraction problems within 1000.	<p>There are 178 fourth graders and 225 fifth graders on the playground. What is the total number of students on the playground?</p> <ul style="list-style-type: none"> <li>● Student 1: <math>100 + 200 = 300</math>, <math>70 + 20 = 90</math>, <math>8 + 5 = 13</math>, <math>300 + 90 + 13 = 403</math> students</li> <li>● Student 2: I added 2 to 178 to get 180. I added 220 to get 400. I added the 3 left over to get 403.</li> <li>● Student 3: I know that 75 plus 25 equals 100. I then added 1 hundred from 178 and 2 hundreds from 275. I had a total of 4 hundreds and I had 3 more left to add. So I have 4 hundreds plus 3 more which is 403.</li> </ul>	<p><a href="#">"Adder Ladder" Game</a> - This printable game allows players to race through their ladders by correctly adding two- and three-digit numbers.</p> <p><a href="#">Addition and Subtraction Online Game</a> - Practice this game at various levels ranging from single digit facts to three-digit addition and subtraction with regrouping.</p>
Students will solve two-step scaffolded word problems involving addition and subtraction in which the unknown is in a variety of positions, exploring the use of parenthesis to separate operations.	<ul style="list-style-type: none"> <li>● Mike runs 2 miles a day. His goal is to run 25 miles. After 5 days, how many miles does Mike have left to run in order to meet his goal? Write an equation and find the solution (<math>2x + 5 + m = 25</math>).</li> <li>● This standard refers to estimation strategies, including using compatible numbers (numbers that sum to 10, 50, or 100) or rounding. The focus in this standard is to have students use and discuss various strategies. Students should estimate during problem solving, and then revisit their estimate to check for reasonableness.</li> </ul>	<p><a href="#">"Bubble Fun" Word Problems Game</a> - Practice identifying the correct operation to use for one-step word problems with this online game</p> <p><a href="#">Two-Step Word Problem Practice Cards</a> - These printable cards are a great way to practice solving problems at home.</p>

Example:

Here are some typical estimation strategies for the problem:  
On a vacation, your family travels 267 miles on the first day, 194 miles on the second day and 34 miles on the third day.  
How many total miles did they travel?

- Student 1: I first thought about 267 and 34. I noticed that their sum is about 300. Then I knew that 194 is close to 200. When I put 300 and 200 together, I get 500.
- Student 2: I first thought about 194. It is really close to 200. I also have 2 hundreds in 267. That gives me a total of 4 hundreds. Then I have 67 in 267 and the 34. When I put 67 and 34 together that is really close to 100. When I add that hundred to the 4 hundreds that I already had, I end up with 500.
- Student 3: I rounded 267 to 300. I rounded 194 to 200. I rounded 34 to 30. When I added 300, 200 and 30, I know my answer will be about 530

[More Two-Step Word Problem Cards](#) -

Even more problems to print out and practice at home.