Name _____

Add and Subtract Decimals to Hundredths

Topic 2 Standards
5.NBT.A.4, 5.NBT.B.7
See the front of the Student's Edition for complete standards.

Dear Family,

   In this topic, your student will develop proficiency with adding and subtracting decimals. These skills will enable your student to solve mathematical and real-world problems efficiently. These skills will also help your student estimate sums and differences in order to determine the reasonableness of solutions.
   Complete the following activity together to help your student practice estimating and calculating sums and differences of decimals to hundredths.

Rolling Decimals

Materials: 1 number cube (labeled 1–6)

Step 1 Roll a number cube five times. Use the digits rolled to write two decimal numbers, such as 2.3 and 42.5.

Step 2 Write an addition sentence and a subtraction sentence using the two decimal numbers. For example, 2.3 + 42.5 and 42.5 − 2.3. Subtract the lesser decimal from the greater decimal.

Step 3 Estimate the answer to each problem. For example, you might round 42.5 to 43 and 2.3 to 2, and then perform the operations. Use a calculator or paper and pencil to find the actual answer for each problem. Compare the actual answers with your estimates.

Step 4 Take turns creating numbers and estimating the sum and difference of the numbers. Then, play this game together: Choose an estimation goal, such as 100 or 25.5. Write an addition sentence or a subtraction sentence with two decimal numbers that will result in a number as close to the estimate as possible.

Observe Your Child

Focus on Mathematical Practice 2
Reason abstractly and quantitatively.

Help your child become proficient with Mathematical Practice 2. For each estimated sum and difference, ask your child to compare the estimate to the actual answer and explain why the estimate makes sense.