EUREKA MATH™ TIPS FOR PARENTS

KEY CONCEPT OVERVIEW

During the next week, our math class will continue working with place value strategies to build a deeper understanding of addition and subtraction within 1,000. We will continue to use simplifying strategies from Module 4, and we will use place value language to explain why our strategies work.

You can expect to see homework that asks your child to do the following:

- Use the arrow way, number bonds, or mental math to add and subtract ones, tens, and hundreds from numbers to 1,000.

- Use a tape diagram to make a simpler problem. For example, to solve 41 − 29, add one to each number to make an easier problem with the same difference: 42 − 30 = 12.

- Choose a strategy to solve addition and subtraction problems within 1,000 and explain why that strategy is efficient.

- Use addition to check subtraction.

SAMPLE PROBLEMS *(From Lesson 7)*

1. Solve 447 + 398 by using two different strategies.

   a. **447 + 398 = 845**

   b. **447 + 398 = 845**

   $$445 \quad 2$$

   447 $\xrightarrow{+3}$ 450 $\xrightarrow{+50}$ 500 $\xrightarrow{+300}$ 800 $\xrightarrow{+40}$ 840 $\xrightarrow{+5}$ 845   **445 + 400 = 845**

2. For the above problem, explain which strategy is easier to use when solving and why.

   It is much easier for me to solve with a number bond because 398 is only 2 away from the next hundred. The arrow way takes a long time, and I have to make sure I don't miss any parts of the number 398. The number bond has fewer steps!

Additional sample problems with detailed answer steps are found in the *Eureka Math Homework Helpers* books. Learn more at GreatMinds.org.

HOW YOU CAN HELP AT HOME

- Encourage your child to use place value language to explain how adding in the tens place is like adding in the ones place. "When I have a group of 10 ones, I can make a group of 1 ten. When I have a group of 10 tens, I can make a group of 1 hundred."

- Before your child adds or subtracts, ask her to look closely at the numbers and think aloud about which strategy will be most efficient and why. For example, she might choose to use the arrow way, number bonds, counting on, or vertical form to solve.

- Invite your child to explain his simplifying strategy step-by-step. For example, when he uses the arrow way, ask your child questions such as, "How many more do you need to make the next hundred? The next ten?" "Which did you add first: hundreds, tens, or ones? Why?"