

LETTER HOME

Multidigit Addition and Subtraction

Dear Family Member:

Multidigit Addition and Subtraction. In this unit, students focus on developing strategies to add and subtract multidigit numbers. Students expand their mental math strategies and develop paper-and-pencil methods. After exploring a variety of invented strategies and paper-and-pencil methods, students develop a strategies menu for multidigit subtraction and utilize the Addition Strategies Menu developed in Unit 7. See Figures 1 and 2. The menus serve as a reminder, help students make connections among strategies, and encourages students to choose appropriate strategies.

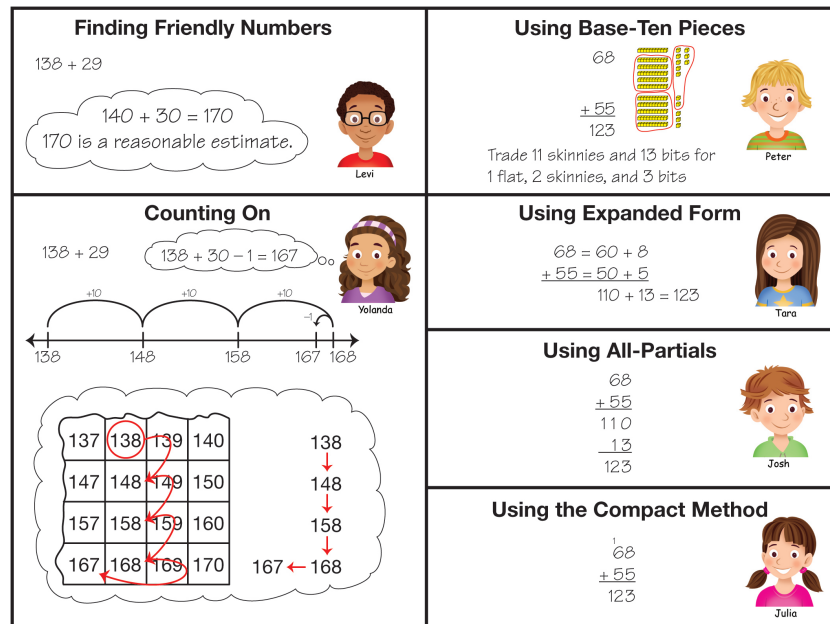


Figure 1: Addition Strategies Menu

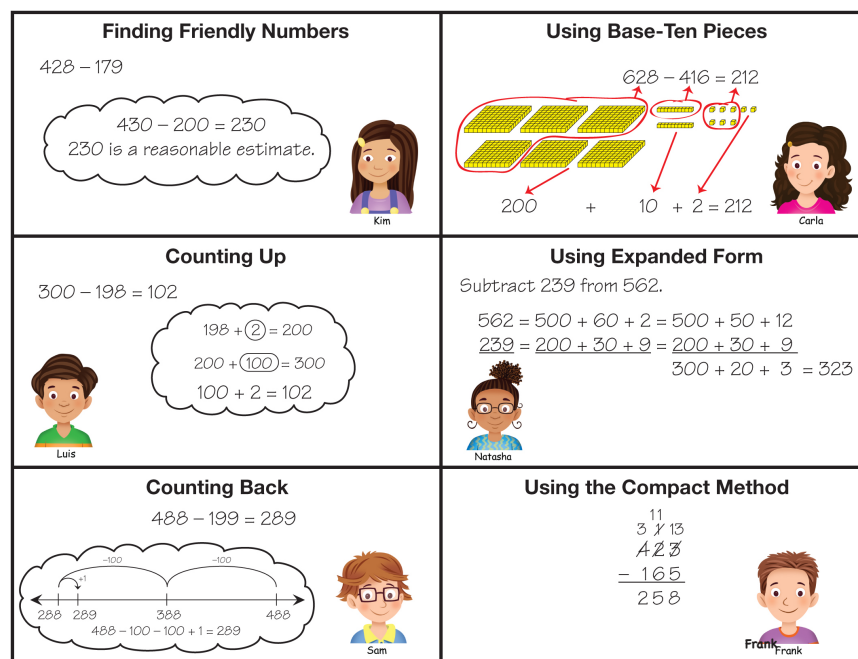


Figure 2: Subtraction Strategies Menu for Larger Numbers

You can help reinforce the development of these strategies at home with the following activities:

- **Play Take Your Places Please: 4 Digits.** In this game, players take turns making multidigit numbers and compare them. Directions for this game are in the *Student Activity Book*.
- **Use Addition and Subtraction Strategies Menus.** Encourage your child to use an appropriate method that makes sense to him or her and matches the problem to be solved.
- **Play the Digits Game.** A player chooses a playing board that is a template for an addition or subtraction problem. Cards are drawn one at a time from a deck of 0–9 Digit Cards. After each draw, players write a digit in a box on the playing board trying to find the largest or smallest difference correctly.



Math Facts and Mental Math

Students' fluency with the subtraction facts related to the addition facts in Group F will be assessed in this unit.

Group F: $14 - 4$, $14 - 6$, $14 - 8$, $14 - 10$, $15 - 5$, $15 - 6$, $15 - 9$, $15 - 10$, $16 - 6$, $16 - 7$, $16 - 9$, $16 - 10$, $17 - 7$, $17 - 8$, $17 - 9$, $17 - 10$, $18 - 8$, $18 - 9$, $18 - 10$

You can help your child review these facts using the flash cards the teacher sent home or by making a set of flash cards from index cards or scrap paper. Study the facts in small groups each night. As your child goes through the flash cards, put the cards in three stacks: Facts I Know Quickly, Facts I Can Figure Out, and Facts I Need to Learn.

For Facts I Need to Learn, work on strategies for figuring them out.

For Facts I Can Figure Out, use the flash cards to practice the facts for fluency.

For Facts I Know Quickly, help your child use strategies to solve problems like these using mental math: $180 - 100$ (practices $18 - 10$), $1400 - 400$ (practices $14 - 4$).

Sincerely,