

Unit 2: Using Numbers and Organizing Data

- **Finding Missing Numbers:** After you have studied how to use intervals to find missing numbers on a number line, try solving number-line problems. You will need Math Masters page 41 to complete the activity. When you are done, share your strategies with a classmate. (Use with Lesson 2.1: A Visit to Washington, D.C.)
- **Solve Pan-Balance Problems:** To apply your understanding of equivalent names for whole numbers, try solving pan-balance problems. Describe the pan-balance problems you create and explain your solution strategies. For this activity, you will need Math Masters page 44. (Use with Lesson 2.2: Many Names for Numbers)
- **Solving Number-Grid Puzzles:** To practice the base-ten place-value system, solve number-grid puzzles! You may work with other classmates to share patterns and compare the features of the grid puzzle pieces. For this activity, you will need Math Master page 46. (Use with Lesson 2.3: Place Value in Whole Numbers)
- **Decipher a Place-Value Code:** Try to decipher the packing-system code used at the Marvelous Muffin Bakery! Read the information on Math Masters page 50. Then, try to crack the code! (Use with Lesson 2.4: Place Value with a Calculator)
- **Make a Prediction Based on a Sample:** After you learn about data landmarks, try this activity. Using Math Journal page 38 and Math Masters page 53, predict, based on the data collected from the half-ounce raisin boxes, how many raisins are in a 12- or 15-ounce box. Then, describe how you made your predictions. (Use with Lesson 2.5: Organizing and Displaying Data)
- **Comparing Family-Size Data:** To practice organizing and summarizing data, compare your classmates' family sizes with those of other fourth grade classes. Gather the information you need from each student, and then use Math Masters page 56 to record and evaluate the data. (Use with Lesson 2.6: The Median)
- **Write an Addition Number Story:** Practice your addition algorithms by writing and solving an addition number story. Revise and share your writing with your peers, and publish your work! (Use with Lesson 2.7: Addition of Multi-digit Numbers)
- **Determine the Validity of the "One Size Fits All" Claim:** Makers of adjustable baseball caps claim that "one size fits all." Do you think this is a true statement? Use the head size data you collected on Math Journal pages 46 and 47 to help you decide. Answer the questions on Math Masters page 63. (Use with Lesson 2.8: Displaying Data with a Bar Graph)
- **Solving Number-Tile Problems:** To practice your computation and estimation skills, cut out the number tiles on Math Masters page 67 and use them to find the missing numbers in the given addition and subtraction problems. (Use with Lesson 2.9: Subtraction of Multi-Digit Numbers)