# Mathematical Reflections 2

**I**n this investigation, you solved problems by comparing ratios, percents, and fractions. You also used ratio, percent, and fraction data to solve problems of larger or smaller scale. The following questions will help you summarize what you have learned.

Think about your answers to these questions. Discuss your ideas with other students and your teacher. Then write a summary of your findings in your notebook.

1. The director of a recreation center wants to compare the 10 boys to the 20 girls who attend its camping program.

   a. How would you make a comparison using fractions?

   b. How would you make a comparison using percents?

   c. How would you make a comparison using ratios?

   d. How is your percent comparison related to your ratio comparison?

   e. How is your fraction comparison related to your percent comparison?

2. a. Explain how you would scale up the ratio 10 boys to 14 girls to find equivalent ratios.

   b. Explain how you would scale down the ratio 10 boys to 14 girls to find equivalent ratios.