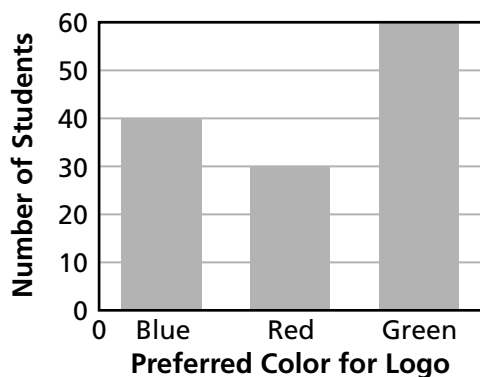


**Additional Practice****Investigation 5****Bits and Pieces III**

1. The student council at Metropolis Middle School conducted a survey to see whether students would prefer blue, red, or green as the new color for the school logo. The results of the survey are shown in the bar graph below.



- What is the total number of students who were surveyed?
  - What percent of students surveyed preferred blue?
  - What percent of students surveyed preferred red?
  - What percent of students surveyed preferred green?
  - If 970 students attend Metropolis Middle School, what percent of the students were surveyed?
2. What percent of 75 is 40?
3. What percent of 45 is 135? Explain your reasoning.

**Additional Practice** *(continued)***Investigation 5****Bits and Pieces III**

4. 3.5 is what percent of 14?
5. What is 60% of 115?
6. What is 42.2% of 635.4?
7. Stacey's batting average on her softball team is 0.420. Becky has made 47 hits in 119 times up at bat.
- What percent of the time did Stacey get a hit? Show how you found your answer.
  - What percent of the time did Becky get a hit? Show how you found your answer.
  - During a double-header, Stacey and Becky each bat 18 times.
    - How many hits would you expect Stacey to make?
    - How many hits would you expect Becky to make?
  - Suppose Becky gets 11 hits during the double-header. Express Becky's new batting average as a decimal. Explain.