Problem-Solving Strategy
**Draw a Diagram**

**Problem** In the election for class president, Joanie received \(\frac{4}{5}\) of the votes. That was four times as many votes as Artie. How many more votes did Joanie get?

1. **What is the question?**

2. **What facts does the problem tell you?**

3. **How could drawing a diagram help you solve this problem?**

4. **This strip represents all the votes:**

   |   |   |   |   |

   Draw a strip to represent Joanie’s votes.

5. **Draw a strip to represent Artie’s votes.**

6. **What fraction of the votes did Artie receive?**

7. **What is the solution?**

8. **How do you know your answer is reasonable?**

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Use with text pages 270–273.