

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?

UNDERSTAND

1. What is the question?

2. What facts does the problem tell you?

PLAN

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

SOLVE

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?

LOOK BACK

8. How do you know your answer is reasonable?
