



Name \_\_\_\_\_ Date \_\_\_\_\_

## A Plan for Problem Solving (pages 4–7)

You can use a four-step plan to solve a problem.

<b>Explore</b>	Read the problem carefully. Ask yourself questions like, “What facts do I know?”
<b>Plan</b>	See how the facts relate to each other. Make a plan for solving the problem. Estimate the answer.
<b>Solve</b>	Use your plan to solve the problem. If your plan does not work, revise it or make a new one.
<b>Examine</b>	Reread the problem. Ask, “Is my answer close to my estimate and does my answer make sense?” If not, solve the problem another way.

### EXAMPLE

Efrain wants to buy a used book that costs 99 cents. He has three quarters and four dimes in his pocket. Does he have enough money to buy the book?

<b>Explore</b>	You need to find out if Efrain has enough money to buy the book. With the coins he has, you estimate that he has enough money.
<b>Plan</b>	Multiply the number of quarters he has by 25, and the number of dimes he has by 10. Add the two products to find out how much money he has.
<b>Solve</b>	$3 \times 25 + 4 \times 10 = 115$ cents, and $115 > 99$
<b>Examine</b>	Since Efrain has 115 cents, or \$1.15, he can buy the book.

### Try This Together

- Lawanda sells candy bars for \$2 each to help her Spanish club raise money for a trip to Mexico. If she hopes to raise \$60, how many bars must she sell? *HINT: What must you multiply by \$2 to get a product of \$60?*

### PRACTICE

**Use the four-step plan to solve each problem.**

- Food** Erika is making cookies. The recipe she has makes 20 cookies, but she wants to make 60 cookies. If she needs 2 cups of flour for 20 cookies, how many cups of flour will she need for 60 cookies?
- Standardized Test Practice** Miguel rode his bike to swimming practice and home again every day for 80 days over the summer. The ride was 3 miles to practice and 3 miles back home. Altogether, how many miles did Miguel ride his bike to and from swimming practice?  
**A** 560 miles      **B** 240 miles      **C** 480 miles      **D** 125 miles



Answers: 1. 30 candy bars 2. 6 3. C