The city of Roseville has a community garden. The garden is divided

into plots that different families can use. Each plot measures 3 meters by 5 meters. There are 3 different sections of the community garden, and each section has 8 plots. What is the total perimeter of all of the family plots at the Roseville community garden?

**Reteach**

**Carry out your plan.**

The perimeter of one family plot is 5 m

3 m + 3 m + 5 m + 5 m, or 16 m.

There are 8 plots in each section. 3 m

Multiply 16 meters by 8.

16 m × 8 = 128 m

There are 3 sections of the community garden. Multiply 128 meters by 3.

128 m × 3 = 384 m

So, the total perimeter of all plots is 384 meters.

**Step 3**

Solve

**Make a plan.**

I will solve a simpler problem.

First, I will figure the perimeter of a single family plot.

**Step 2**

Plan

**What facts do you know?**

Each plot measures 3 meters by 5 meters. There are 3 different sections of the garden. Each section has 8 plots.

**What do you need to find?**

I need to find the total perimeter of all plots at the community garden.

**Step 1**

Understand

**Grade 4 • Chapter 13** Perimeter and Area

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*Problem Solving: Solve a Simpler Problem*

**Lesson 2**

Name Date

Dylan is measuring the perimeter around a baseball diamond. The

length of each side of a diamond is 90 feet. There are 4 baseball diamonds at Conley Park. What is the total perimeter of the baseball diamonds?

Shawna collected money to buy flowers for the soccer coach.

She collected $2.50 from 9 team members. How much money did Shawna collect in all?

**Reteach**

**Make sure your answer is reasonable.**

I will use inverse operations to check.

384 m ÷ 3 = 128 m

128 m ÷ 8 = 16 m

16 m – 5 m – 5 m – 3 m – 3 m = 0

So, the answer is correct.

**Step 4**

Check

**Grade 4 • Chapter 13** Perimeter and Area

**107**

Winnie reads 40 pages each hour. She reads for 2 hours each day.

How many pages does she read in 2 days?

**3.**

**2.**

**1.**

**Solve each problem by solving a simpler problem.**

*(continued)*

*Problem Solving: Solve a Simpler Problem*

**Lesson 2**

Name Date