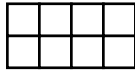


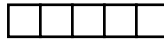
# Problem-Solving Application: Use Measurement

**Problem** Karen has only 12 feet of fencing to mark the perimeter of her garden. She wants her garden to have the greatest area possible. Which of these three garden plans should she use?

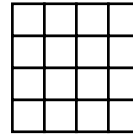
1 foot  
□ 1 foot



Plan A



Plan B



Plan C

**UNDERSTAND**

1. What do you want to know?

\_\_\_\_\_

**PLAN**

2. How will you use the perimeters and areas you measure to solve the problem?

\_\_\_\_\_

\_\_\_\_\_

**SOLVE**

3. Which garden plans have perimeters of 12 feet?  
Which of those garden plans has the greatest area?

\_\_\_\_\_

**LOOK BACK**

4. Plan C has the greatest area. Why didn't you choose it for Karen's garden?

\_\_\_\_\_

\_\_\_\_\_