PERIMETER AND AREA

Parent Pointer —

Knowing about the perimeter and area of figures is very important in measurement. Land developers and construction companies need to know the perimeter of a plot of land upon which they will be building. The perimeter is the distance **around** something. People who are in the construction profession need to know the perimeter around a backyard or a park so that they can build a wall or fence. They also need to know the area of the space—the floor plan—with which they are working. Measured in square feet, the area tells them the **inside** measurements of what they are building.

Math in the Home, on the Go, and for the Fun of It —

DIRECTIONS: On the *Perimeter and Area* reference page, you can review what you have learned in class with your parent or guardian. On the next page, *In and Around Town*, work with your parent or guardian to find the perimeter and area of places within a town. Then, on the *What's the Plan, Stan?* page, create your own city by drawing plots of land for parks and a garden.
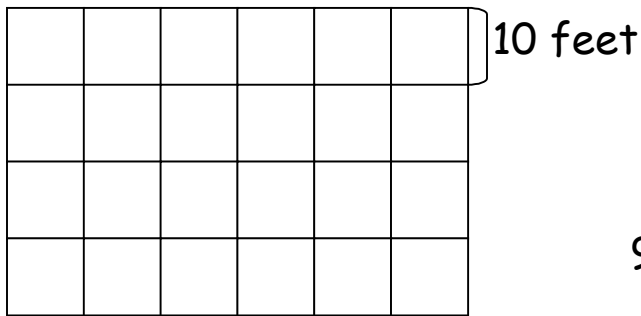
Talk about It —

After you have finished the activity, turn to The Back Page to show what you know.
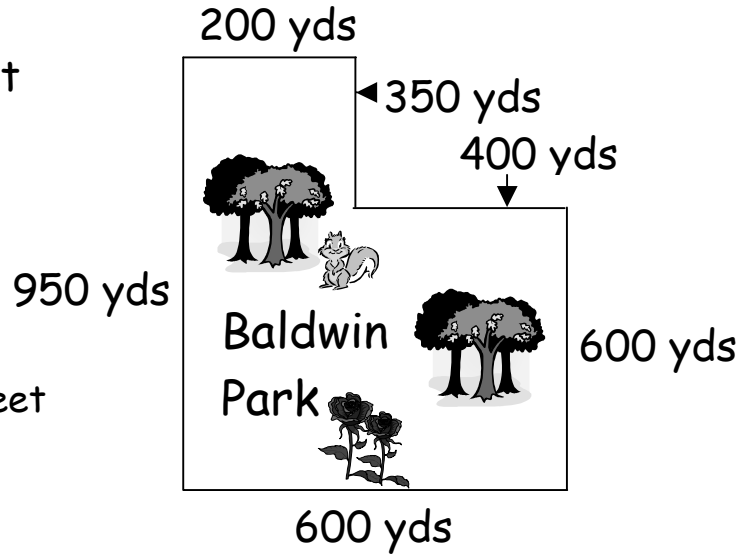
Now go have some fun with the activity! ☞

Perimeter and Area

**Perimeter** is the distance around a figure. To find the perimeter of any shape, add the lengths of the sides.

10 feet

40 feet + 40 feet + 60 feet + 60 feet
Perimeter = 200 feet

200 yds

◄350 yds

400 yds

950 yds

Baldwin Park

600 yds

600 yds

Perimeter = 3,100 yards

Area is the number of square units needed to cover a figure. The units used to measure area can be in square inches, square centimeters, square feet, square yards, etc.
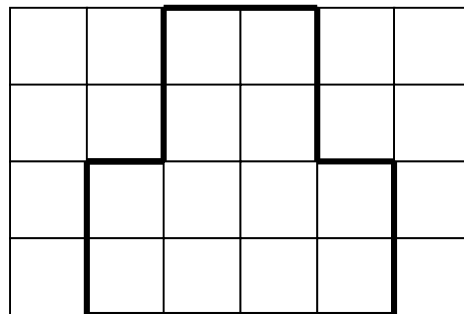
10 feet
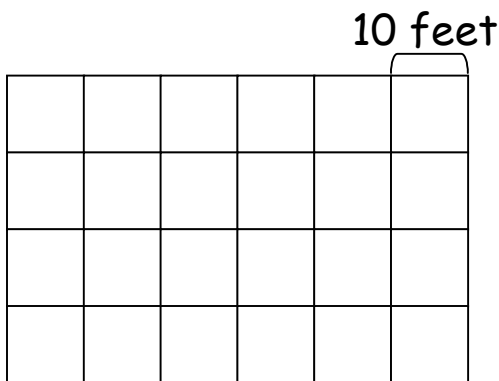
= 1 square foot

For a rectangle, use the formula Area = length $\times$ width
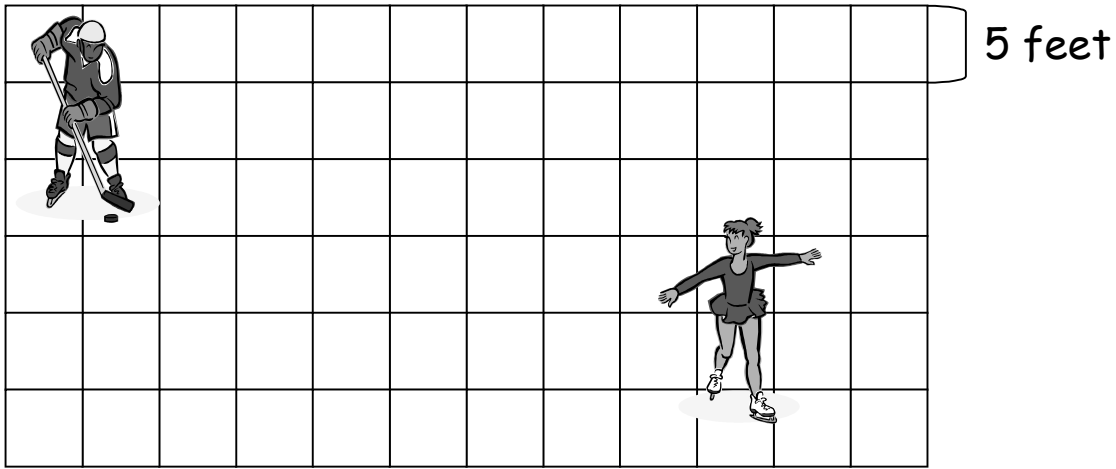40 feet $\times$ 60 feet
Area = 2,400 square feet

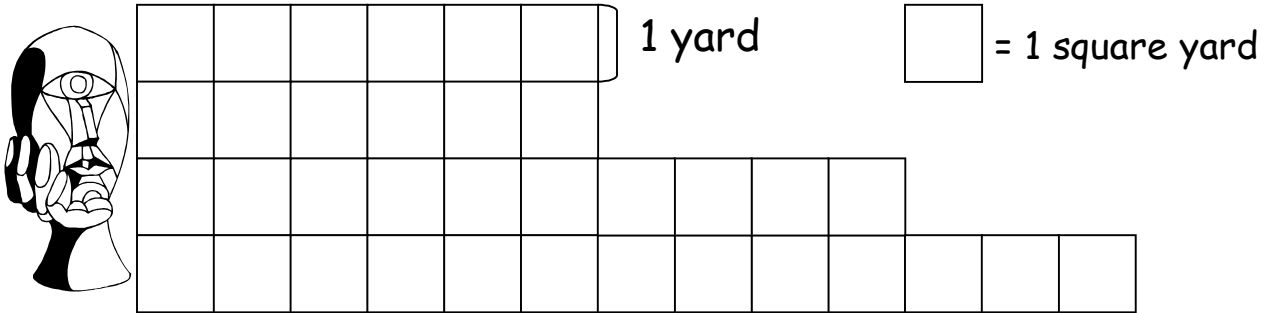For an irregular figure, count all the squares on the inside.
Area = 12 square feet

In and Around Town

5 feet

The townspeople of Mountain Vista need a fence around their skating rink, shown above. How many feet of fence do the townspeople need to place around the rink?

Perimeter = _____ feet

1 yard   = 1 square yard

The people on the art museum committee want to create a garden where outdoor sculptures can be displayed. What is the perimeter and the area of the garden shown above?
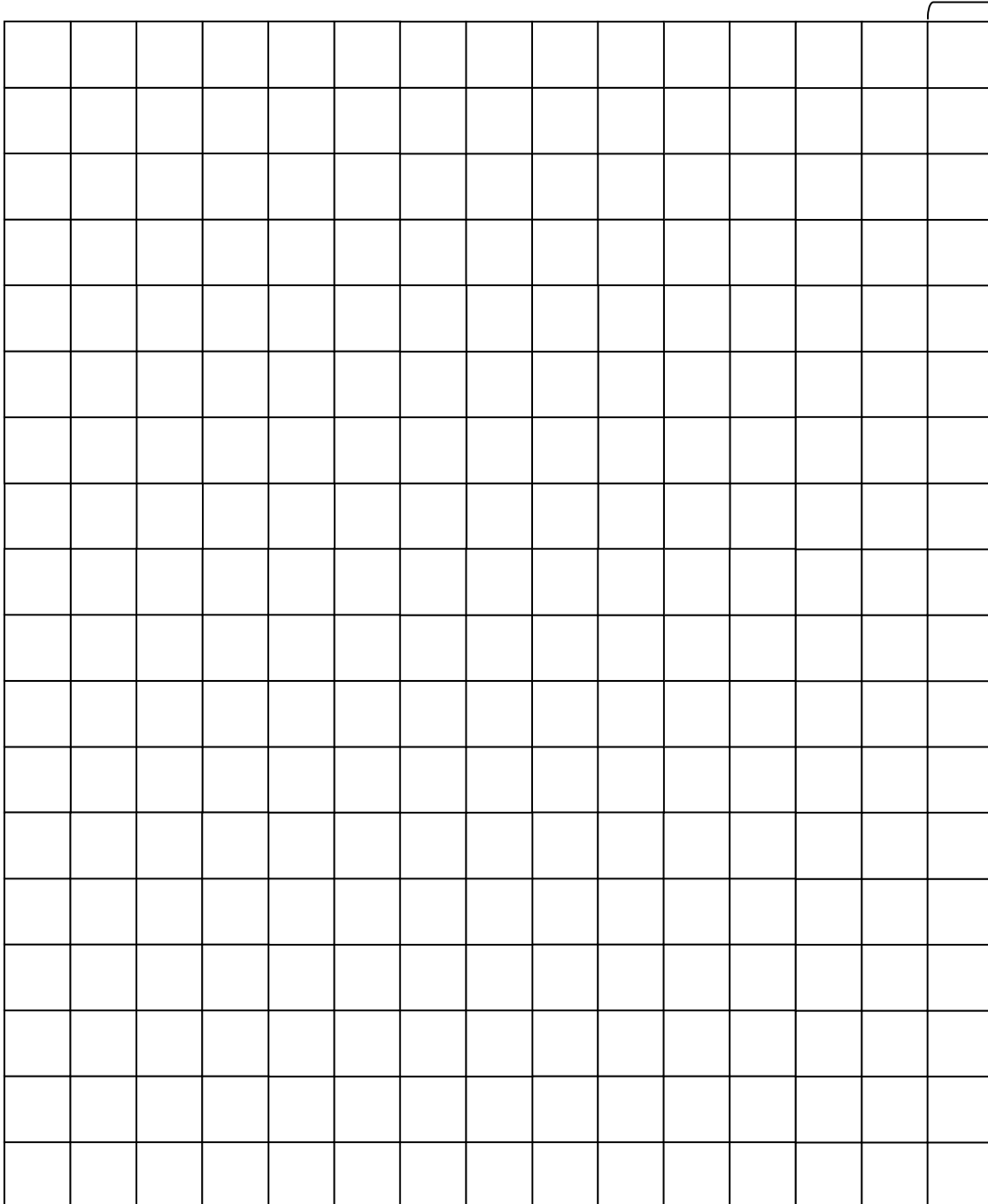
Perimeter = _____ yards
Area = _____ square yards

What's the Plan, Stan?

Pretend that you are a city developer. Draw two parks and one garden on this grid. Write the names of the parks on the inside and write the perimeter and area of each on the reverse side of this page.

10 feet

The Back Page

Talk About It

Parent — Ask your child the following question:

- ✓ What is the difference between finding the perimeter and the area of a figure?

Student — Answer the above question in a complete sentence on the reverse side of this page.

OR

Do one of the following activities on the reverse side of this page:

- ✓ Show the difference between perimeter and area in a drawing.
- ✓ Create a floor plan of a dream playground. Write which unit of measurement each square represents and the area and perimeter of the playground.

_____ _____
Student's Name   Parent or Guardian's Signature