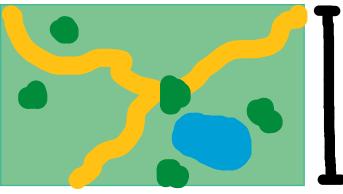
## Measurement: Solving Perimeter and Area Problems

• How can you use line perimeter and area to solve problems?

Perimeter is the distance around a figure. Area is the amount of surface a figure covers. What is the area of the new state park?





Perimeter = 36 miles

Width = 7 mi.

Step One: Answer the hidden question.
Area = length x width
THINK: I know only the width. The
hidden question is, "What is the length
of the park?" I can use what I know
to find the length.
- Add the two known sides, since
opposite sides of a rectangle
are equal.
7 + 7 = 14

- Subtract the total of the two known sides from the perimeter to find the total of the two unknown sides. 36 - 14 = 22
- Divide to find the length of one side. 22 / 2 = 11 The length of the park is 11 miles.

**Step Two:** Use the answer to the hidden question to answer the original question.

Length = 11 miles

Width = 7 miles

The area of the park is 77 square miles.