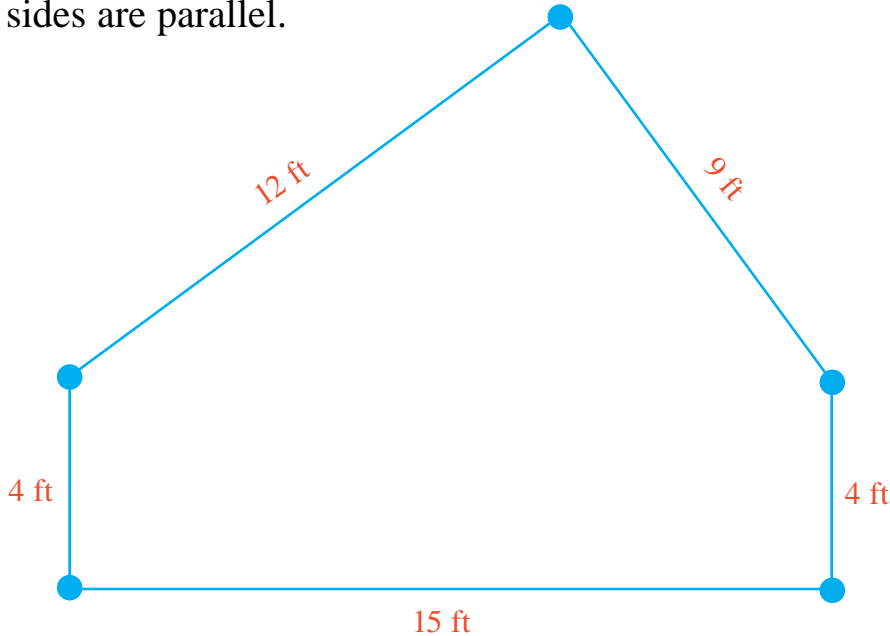


### The Problem

The garden shown in the figure will be planted with 19 different vegetables, herbs, and flowers. Show how to divide the garden so that each plant covers the same area. The two 4-foot sides are parallel.



### Strategies and Hints

1. How can you find the angle formed by the 9-foot side and the 12-foot side? What is the measurement of the angle?
2. Find the area of each of the 19 plots.
3. What is the ratio of the area of the triangle to the area of the rectangle? How might this help you find the solution?
4. Start with just the triangular part of the garden. Divide the triangle into 4 equal parts. What does this suggest about the solution?