



Activity I: Vegetable Garden Student Activity Worksheet

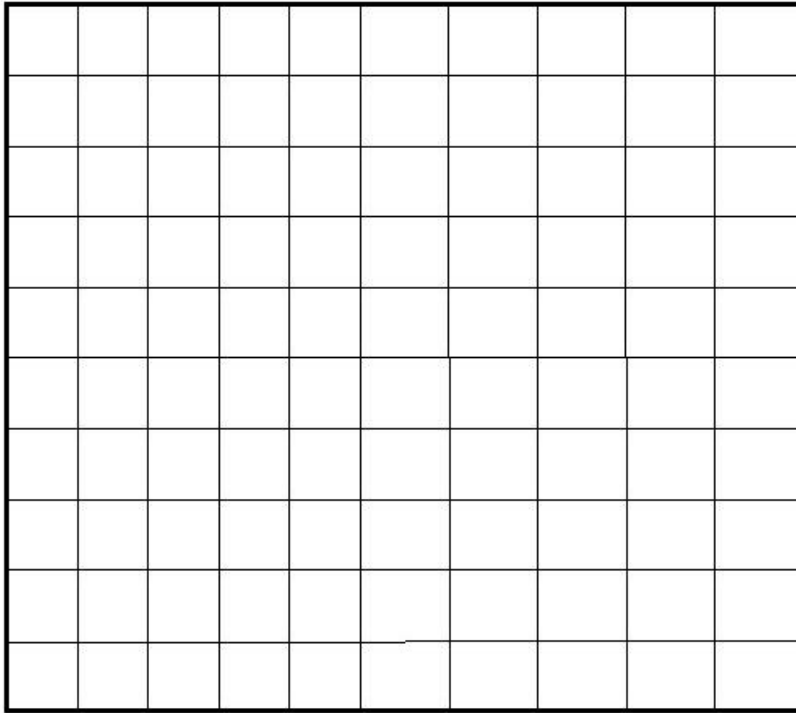
Sean and Evan are working to plant a vegetable garden. To help, their mother has divided the plot into 12 smaller rectangular plots.

Sean and Evan decide they really like tomatoes, so they plant $\frac{1}{3}$ of the garden as tomatoes (T). They plant half as many peppers (P). They also decide to plant three times more lettuce (L) than onions (O). And they plant the rest in beans (B).

In the picture of the garden below, figure out many rectangles Sean and Evan assigned to each vegetable, record the appropriate letter in each rectangle, and color each rectangle so that it corresponds with the vegetable.

Tomato—T (Red)
Peppers—P (Yellow)
Lettuce—L (Light green)
Onions—O (White)
Beans—B (Dark green)

Vegetable Garden Plot



1. What fraction of the garden is planted in peppers?
2. Of all the vegetables you planted, which did you plant in the least amount? How much of the garden does it take up?
3. Order the vegetables from least to most planted, and determine what fraction of the garden each occupies.
4. How much of the garden is occupied by the tomatoes and lettuce combined?
5. How much of the garden is **not** taken up by tomatoes and lettuce.
6. What combinations of vegetables would make up one half of the garden?