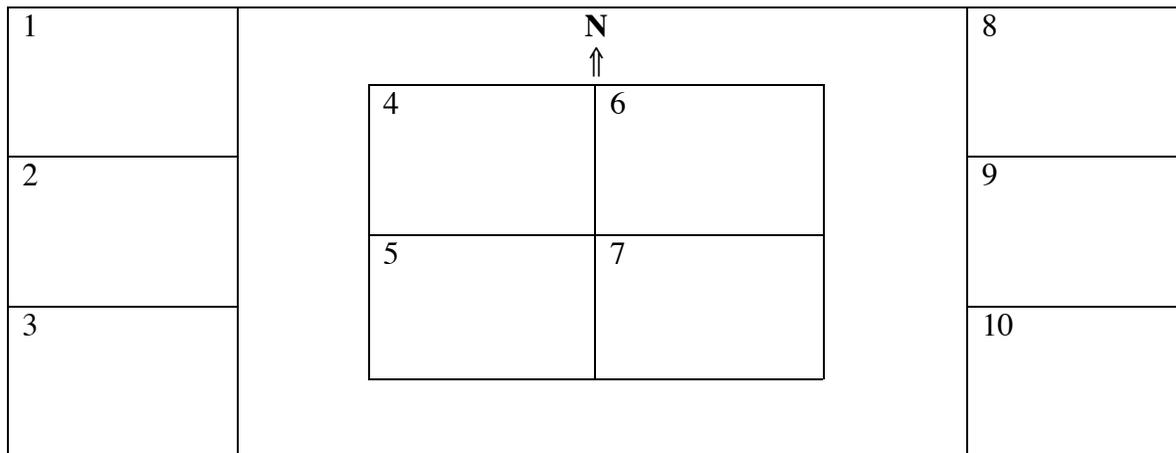




## Sustainable Practices

*UNODOS informs you: The Boston Advanced PHysics Laboratories is committed to sustainable, environmentally friendly practice. For example, we encourage our employees to grow their own vegetables, in garden plots located directly above our nuclear waste disposal facilities.*

There are 10 plots in the community garden, numbered 1 through 10 as shown below. Plots 4 to 7 are in raised beds; the other plots are at ground level. Two plots are considered to be adjacent if they share an edge in common (not just a corner).



Esther, Hildegard, Kara, Mary, and Will were each assigned two plots in the garden. No person had two adjacent plots.

Each plot was devoted to one of five crops: cauliflower, garlic, radishes, spinach, and tomatoes. There were two plots devoted to each of the crops.

Each person grew two different crops. No two people grew the same pair of crops. No two adjacent plots had the same crop.

Each plot yielded a whole number of kilograms of produce, from 1 to 5 inclusive. (When comparing amounts of produce, the kind of produce is irrelevant; only the mass matters) Each plot yielded the same amount of produce as exactly one other plot.

No two adjacent plots yielded the same amount of produce. No two plots devoted to the same crop yielded the same amount of produce.

No two plots owned by the same person yielded the same amount of produce. No two people grew the same total amount of produce.

Esther grew a total of 8 kilograms of produce. Kara grew a total of 4 kilograms of produce.



## Sustainable Practices

Everyone but Mary had a plot in the raised beds.

Kara and Mary did not have two adjacent plots. Will and Hildegard did not have two adjacent plots. Every other pair of people had adjacent plots.

The two radish plots were at opposite corners of the garden.

The two garlic plots yielded a total of 4 kilograms. The two cauliflower plots yielded a total of 7 kilograms.

The yield from Hildegard's raised plot was exactly half as much as the yield from her ground-level plot.

Hildegard had the plots in the northeast corner of the garden and the northeast corner of the raised beds.

Mary's cauliflower plot was directly to the north of Esther's garlic plot. Kara's spinach plot was directly to the north of Will's garlic plot.

Esther's tomato plot had a greater yield than Mary's tomato plot.