Name: _____

Date: _____

Recommendation for Space

You have been hired by a new Georgia farmer to provide advice on effectively using 100 acres of their land. You have been asked to develop a predictive model for how the farmer should space the cottonseeds.

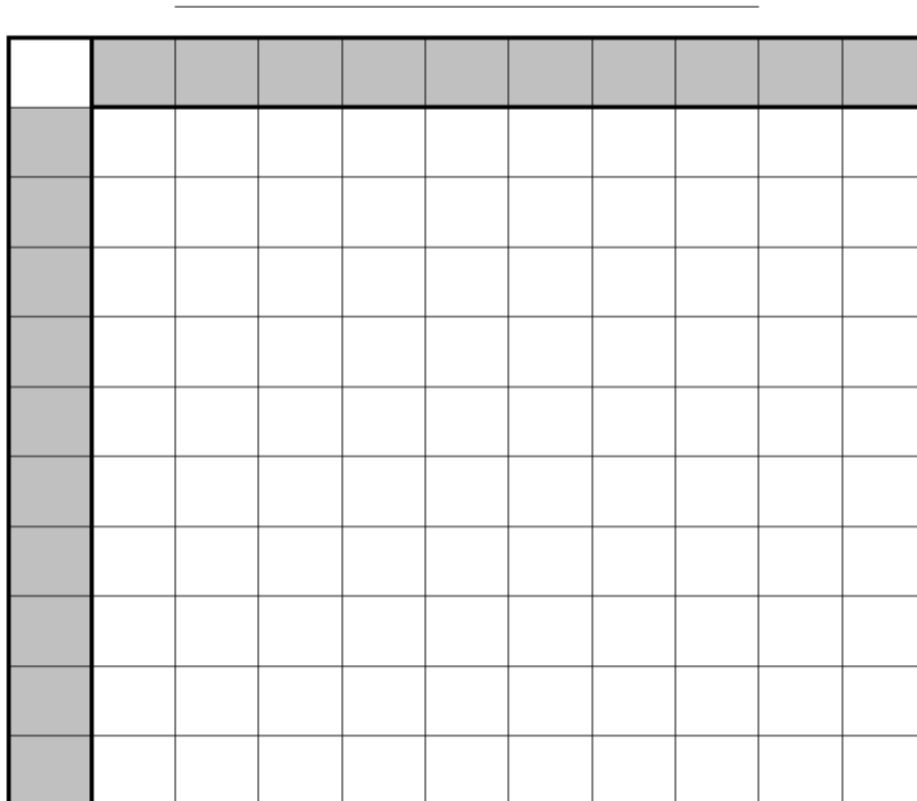- Based on the species you have recommended, _____, how should the farmer space the cottonseeds?

Develop a model for your recommendation for planting the farmer's cottonseed.

1. To make this task more manageable, we will start with a close-up model of a **one-acre** plot.

   Note: Acres can come in a variety of shapes. For the purposes of our job we will make our space 200 feet long by 200 feet wide. This is just under an acre of space.

2. Determine the value of each square. Each square is worth _____ feet.

3. Your next step to consider is how to show each row of cotton plants. What is the recommended distance between rows? _____
   How will you show this on your model? Add a key to your model to represent your decision.

4. Since your model will need to show the farmer where to plant the cottonseeds, your next step to consider is how far apart to draw the seeds on your model.

How will you show this on your model? Add the cottonseeds to your key for the model.

_____

Use the model to construct an explanation to the farmer for why you are making this recommendation for spacing the cottonseeds in this way.

_____

_____

_____

_____