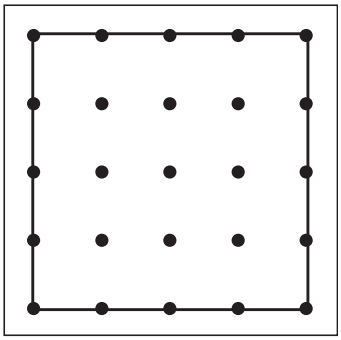
NAME | DATE

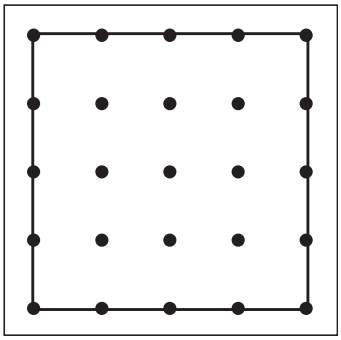
Planning a Garden page 1 of 2

The Brown family is trying to decide how to plan their garden for the vegetables they want to grow. Use the geoboard model to design a garden that fits each description. Label every area to show where each vegetable will be planted.

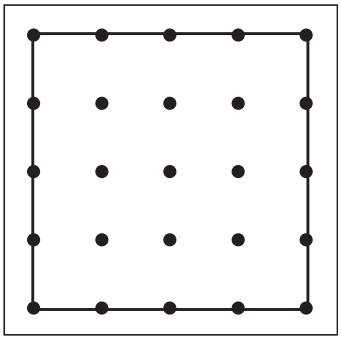
1 The Browns could plant $\frac{1}{2}$ tomatoes, $\frac{1}{4}$ squash, and $\frac{1}{4}$ lettuce.



2 They could plant $\frac{1}{4}$ tomatoes, $\frac{1}{4}$ squash, $\frac{1}{4}$ lettuce, $\frac{1}{8}$ peppers, and $\frac{1}{8}$ cabbage.



3 The Brown family might plant $\frac{1}{8}$ tomatoes, $\frac{1}{8}$ cabbage, and $\frac{1}{8}$ peppers. If they do, what fraction of their garden will be unplanted?

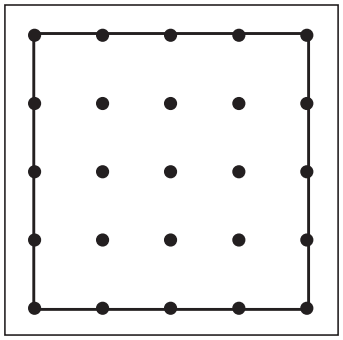


(continued on next page)

NAME | DATE

Planning a Garden page 2 of 2

1 If the Browns plant $\frac{3}{16}$ tomatoes, $\frac{1}{4}$ cabbage, and $\frac{2}{8}$ peppers, what fraction of their garden will be unplanted?



2 **CHALLENGE** Create a plan for a garden that has room for 5 different vegetables. Label the vegetables in the garden and write a equation to represent the model.