

# Teamwork



## Get Started



or



Get grid paper and a pencil.

Put **1** **2** **3** **4** in a bag.

## Repeat for Each Round

Choose **a**, **b**, **c**, or **d**.

Pick a tile. Pick two tiles if your group has only two students.

Do the jobs listed below in order.

To find your job, find the number that matches the tile you chose.

- 1** Use grid paper. Draw a rectangular garden with the given perimeter. Give the grid paper to the student who is doing step 2.
- 2** Draw a different rectangular garden with the given perimeter. Give the grid paper to the student who is doing step 3.
- 3** What is the greatest planting area you can get in a garden that has the given perimeter? Draw a rectangular garden with this area.
- 4** Discuss the area of each rectangular garden. Describe what you notice about the dimensions of the rectangular garden that has greatest area for planting.

a. Perimeter: 32 feet

b. Perimeter: 24 feet

c. Perimeter: 28 feet

d. Perimeter: 36 feet



If you have more time



Draw three rectangular gardens that each have a perimeter of 20 feet. Give the area of each of those gardens.