

Grade(s) : 3

Subject Area: Math

EALR/Standard:

3.3 A-D

3.4 D

**Activity: Have children design a garden that is divided up by different fractions.**

Lesson created by Robin Lewis, Environmental Studies Intern, Whitman College Spring 2010

**Goals:**

Students will better understand fractions and how different fractions relate to one another.

Students will develop planning skills and spatially come to understand land use planning.

**Brief description:**

Give students a blank garden plot and tell them they must put in 6 different vegetables that take up different amounts of space in the garden (so each vegetable cannot take up 1/6 of the garden). By having them draw, they will be able to visualize the problem and sketch out their answers.

Materials

Paper and pencil

Procedure

Give the students the blank garden plot and tell them they need to plant four different crops in the garden. They cannot plant the same amount of any of the crops. They do not need to fill up the garden evenly, but they must know the correct fraction they have a leftover section.

Examples:

Since this lesson may be a bit tricky for the students, go through a couple examples with them on the overhead and perhaps create a step by step worksheet for them to use.

### Additional Activity

Have the students give the perimeter and area of each different vegetable section. Have them identify which section is the biggest, the next biggest, etc.

New vocabulary

---