

# Algebra/Geometry Institute Summer 2003

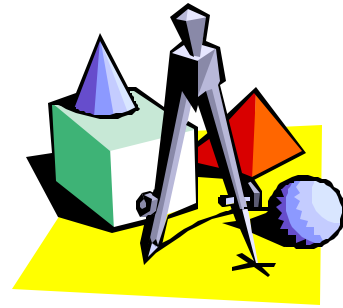
## Lesson Plan II

**Faculty Name:** Carolyn Corey

**School:** none

**City:** Camden

**Grade Level:** 6-9 Pre-Algebra



1. Teaching objective(s): Students will use pattern blocks to solve fractional problems.
2. Instructional Activities: Teacher will instruct the students with demonstrations and activities. The teacher will set up learning tables in the classroom and have small groups moving from table to table in a rotation style. Each group will have a set amount of time to complete each activity. It may take several class meetings to complete these activities. The teacher will walk around the room giving help as needed and replenishing each activity as needed. Have the teaching assistant help with the monitoring of the students and use the more knowledgeable students to help the slower learners. Some activities can be used from the following web sites under materials and resources.
3. Materials and Resources:
  - a. Using large envelopes and necessary materials from activity text books and on line activities as suggested by these websites:
  - b. <http://math.rice.edu/~lanius/Patterns/design.html>
  - c. <http://math.rice.edu/~lanius/Patterns/answers3.html>
  - d. <http://math.rice.edu/~lanius/Ptterns/design2.html>
  - e. <http://math.rice.edu/~lanius/Patterns/notes.html>
  - f. card game: <http://mathforum.org/paths/fractions/nullo.html>
  - g. [http://math.rice.dedu/~images/4\\_polygo.gif](http://math.rice.dedu/~images/4_polygo.gif)
  - h. Students will maintain a folder with problems and drawings of activities.
4. Assessment: Students' folder will be checked for understanding and re-instructions. Students will be given a test in which they will repeat the drawings and solving of fractional problems using the pattern blocks.