# LEARNING PLAN 8th Grade

## Exploratory Activities

Algebra Thinking 1st Experience: Tables 9-13

## Concept Development Activities

Texteams: Proportionality “Unit Rates” or Comparing and Scaling: Investigation 4
Algebra Puzzles and Problems: “In the Jar” A-D Texteams: Proportionality “One Size Fits All” or Stretching and Shrinking (Investigation 1–3)
Stretching and Shrinking: “Using Similarity” (Investigation 4) Stretching and Shrinking: “Similar Triangles” (Investigation 5)
Texteam: Proportionality “Jet Ski Rental”

## Basic Facts and Standard Algorithms Formalized


## Assessment

In the Jar E and F Create a problem to illustrate both a proportional and non-proportional relationship. Project Clear Task: p. 1-16, 11-2, 11-4, 11-6, 11-7, 11-10

## Related TEKS


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## CONCEPT

### Ratio and Proportion

## Materials and Resources

- Creative Publications: Algebra Thinking: 1st Experience Texteam: Proportionality
- Creative Publications: Algebra Problems and Puzzles Grade 6
- Connected Math: Stretching and Shrinking
- Colored cubes
- Graph paper, dots, meter sticks, markers
- Rubber bands
- Pattern blocks

## Originality and Creativity

### Student Products

**Written**
Write a letter to the editor of the school yearbook explaining why doubling the size of student pictures will require more than double the space on a page.

**Verbal**
Explain to your group how to enlarge a cartoon drawing

**Kinesthetic**
Make a scale model

**Visual**
Make a scale drawing of a room in your house