

5E Lesson Plan

Teacher: Tayla Frizell

Date: June 17-18, 2014

Subject / grade level: Ratios and Proportions / 6th-7th grade

Materials: Pencils, handouts, scratch paper, white board, markers, construction paper, tape, scissors, and sales papers

NC SCOS Essential Standards and Clarifying Objectives

Lesson objective(s):

- The 6th – 8th grade students will learn the definition of ratios and proportions and how to relate them to calculating unit prices in the classroom by the end of the class period.
- The 6th – 8th grade students will identify if two ratios are a proportion by using cross multiplication in the classroom by the end of the class period.
- The 6th – 8th grade students will solve proportions for unknown quantities in the classroom by the end of the class period.

Differentiation strategies to meet diverse learner needs:

ENGAGEMENT

- I will start by defining and identifying the differences between ratios and proportions.
- The student will then identify the ways ratios and proportion can be written and solved.
- I will then give the students the steps to solve the problems efficiently.

EXPLORATION

- The students will be allowed to come to the board and help solve the problem while the students in their seats still assist with it.
- The questions for the students will be “why are ratios and proportions important ” and “ what can I use proportions for in my everyday life? ” to help them notice how much they use ratios and proportions without noticing it.
- The student will take a sales paper, select an item and solve for the unit price using a method of their choice.

EXPLANATION

- I will ask questions such as “did you follow each step?” to make sure the student is on track to correctly solve the problem.

ELABORATION

- By the end of the lesson the student would have learned how to identify ratios and proportions and solve for proportions.
- We use ratios in our everyday lives to divide food equally among people, comparing miles the number of gallons in a car, etc.

EVALUATION

- The students will be given homework on the subject.
- This should be embedded throughout the lesson as well as at the end of the lesson.