

6.5

Student Teacher Aimee Snyder
Grade Level 6th Subject Math

Date 3/26/12
Supervisor Dr. Shugar

PRELIMINARY PLANNING

PA Standards:

Standard 2.2.6.B: Add, subtract, multiply, and divide whole numbers, decimals, fractions, and mixed numbers.

M6.A.3.2: Solve problems with and without the use of a calculator.

Pre-assessment: The students will have learned what a ratio is in the previous lessons.

Objectives: The students will be able to explain if ratios are proportional or not. They will be able to complete practice problems to determine if proportions are written correctly.

Individual Modifications: Periods 1 and 4 will not have as many practice problems. They will be given a more in-depth discussion about proportions. Period five is accelerated Math, so are more advanced and they will have more independent work.

Materials:

- Overhead Projector
- Transparency
- Spiral Review Chapter 6
- Chapter 6.5 notes
- Chapter 6.5 homework

LEARNING SEQUENCE

Description _____ Time 10 minutes

INTO

Introduction/Motivation/Focus Attention

- The students will complete the section 6.5 on their spiral reviews. They will complete this with a partner. They have about ten minutes to complete the review.
- If time, the students will have the chance to do a number game.
 - The teacher deals six cards.
 - The first five must equal the sixth.
 - Each card must be used only once and the students can use any operation to get the answer.

Description _____ Time 20 minutes

THROUGH

Learning Activities (Input, Modeling, Checking for Understanding, Guided Practice, Independent Practice)

- The teacher will introduce the notes on the transparency.

- The teacher will give the definitions of proportion and cross product.
 - Different examples will be shown of different ratios and we will decide if they are proportional or not.
- The teacher will then show examples where the students need to decide if the ratios form a proportion.
- The students will complete an example where they need to decide which proportion is written correctly. They will need to explain their reasoning.

Description

Time 13 minutes

BEYOND

Closure (Review, Check for Understanding, Summarize, Future Forecast, Transition)

- The students complete 4 practice problems on the backside of their notes worksheet. They can work with their partners to complete this assignment.
- If the students finish early, they can begin their homework in class.