

Percentage War



A. Objectives:

Students will practice dividing three digits by one digit with a zero in the quotient.

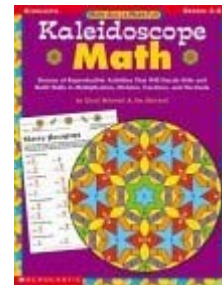
B. State Competencies:

Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.

C. Lesson Resources:

The book **A Remainder of One** by Elinor J. Pinczes

The book **Kaleidoscope Math** by Cindi and Jim Mitchell (Worksheets)



D. Instruction:

a. Introduction:

This lesson is to continue the practice of division with a remainder. My students have already been introduced to it, but I decided to do this lesson because they do not like dividing with remainders. I thought that including a picture at the start of our lesson, would ease up my students. We will discuss or review the concept of dividing with a remainder.

b. Instructional Process:

- 1.) To continue the lesson, I will read the book **A Remainder of One** by Elinor J. Pinczes.
- 2.) Then the students will begin to work on a photocopied paper of pages 22-23. The students will complete the problems.
- 3.) I will do a few examples on the board.

- 4.) As they start to find the coordinating number on their picture, they will be self-checking because if they do not find a number, it means they are not right. At that time you go over the problem individually.
- 5.) They will finish completing the worksheet and coloring the picture according to the color that is required.

c. Closure:

The closure to the lesson will be done with a review of an example of one problem in which we divide ending in a remainder.

E. **Assessment:** Students will be assessed in their completion of the art and math project picture.

F. **Modifications/Accommodations**

Low Level: They might need more examples to get started.

Upper Level: There are more challenging work pages in the book that could be adapted for these students.

Reflection:

I would like to let you know that in the book there are instructions on how to make a kaleidoscope. My class has not done them, but the pictures look just as cool in the flat form.

The lesson went some what bumpy at first, but after a few minutes most were on their way to completion. I had a few that had more trouble, but they do not know their multiplication problems. We made a multiplication chart earlier this year and I had them use that to aid in completing the problems. This was finally the key for these struggling students to complete their project.

This lesson was an awesome way to include Math/Literature/Art.