

Illustrations Web Resource Activity

Electronic Resource: NCTM Illustrations at: <http://illustrations.nctm.org/>

Description of Resource: Illustrations is an electronic resource that contains free educational ideas, problems, and lesson plans for students in Kindergarten through Grade 12. Some problems/lessons are one day lessons and some are multiple-day lesson. You may use either one.

Goals: To analyze a problem/lesson to teach elementary school mathematics. The aim of this assignment is for you to make instructional decisions about the use of curricular resources in the teaching of elementary school mathematics.

Preparation: Download the article, teacher worksheets, and student worksheets. Make copies of the worksheets and gather other materials as noted in the teacher pages.

Materials to be turned in to me:

1. A copy of your report
2. The materials you downloaded. These materials will be returned to you.

Format for the Report

- List the **name** of the activity, the author(s) and other bibliographic information with web address.
- Specify the **grade level** where activity might be used and how it could be used (for example, a lesson motivational opener, an enrichment problem, a recreational activity – more than one use is possible).
- Give a **summary** (one paragraph) of the main ideas of the activity. The summary also should include the topic of your problem/lesson and general comments.
- Provide an **analysis** that includes the essential mathematical ideas students will learn from the activity, *the strengths and weaknesses of activity*. Specify if the activities are consistent with our class discussions of that topic.
- Give **specific examples** of the ways you intend to use the activity in your teaching in order to improve mathematics instruction in your classroom.
- **Do you think the activity is a good one?** Why? Be specific.