

The goal for this assignment is for you to examine a lesson taken from a middle school mathematics textbook. You will compare this lesson to the expectations described in the *NCTM Principles and Standards for School Mathematics*. Begin by familiarizing yourself with the Standards for grades 6-8.

To complete the assignment you will be expected to do the following:

First Steps

1. Select a geometry/measurement or data analysis/probability lesson. Make a copy of this lesson. Read the lesson.
2. Read the 6-8 Standards.

The Report

1. Write a report to include the following:
 - a. a brief one-paragraph summary of the lesson in which you identify the main topic and the objective(s) of the lesson. Describe the main activities in which students will be involved as they complete the lesson.
 - b. a description of how the lesson meets the appropriate **content standard** (Geometry, Measurement, or Data Analysis) for the grade level. If the lesson does not meet the Standard explain how it could be adapted to do so. If no adaptations are needed, state this and explain why.
 - c. a description of how the lesson meets **each** of the **five process standards** (Problem Solving, Reasoning and Proof, Communication, Connections, Representation)—a least one paragraph for each process standard. If the lesson does not meet one or more of the process standards, explain how it could be adapted to do so. If no adaptations are needed, state this and explain why.
 - d. a description of how you could adapt the lesson to meet one more **content** standard (choose any one of the other four content standards you are not already discussing). The content standards are Number and Operations, Geometry, Measurement, Data Analysis, and Algebra.
 - e. an explanation of how the lesson could be adapted for one group of students with special needs (e.g., gifted, LD, physically disabled, limited English, visual or hearing impaired) while still meeting the appropriate *Principles and Standards*. In your explanation, include why adaptations are needed. If you think no adaptations are necessary, you need to explain your reasons.
2. Type the report. It should be typed (double-spaced) with 1-inch margins, 12-point font throughout. The report should be no more 6 pages in length.
4. Attach a copy of the lesson to your report.

