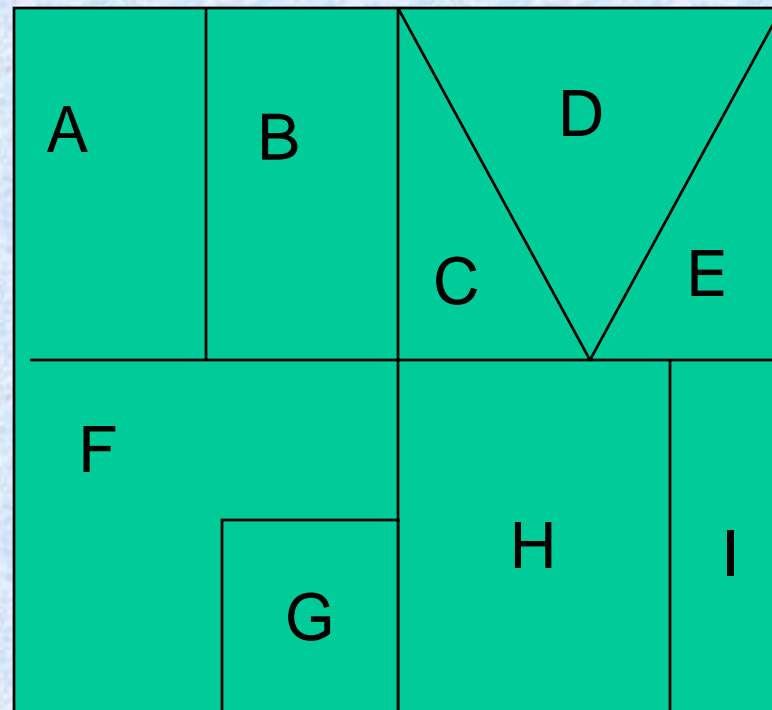


Fractions of a Square

- The large outer square represents 1 whole unit. Decide what fraction each piece is in relation to the whole. Explain how you know the name for each of the pieces.



Assessment: “the process of gathering evidence about a student’s knowledge of, ability to use, and disposition towards mathematics and of making inferences from that evidence for a variety of purposes.”

(NCTM: Assessment Standards 1995, p 3).

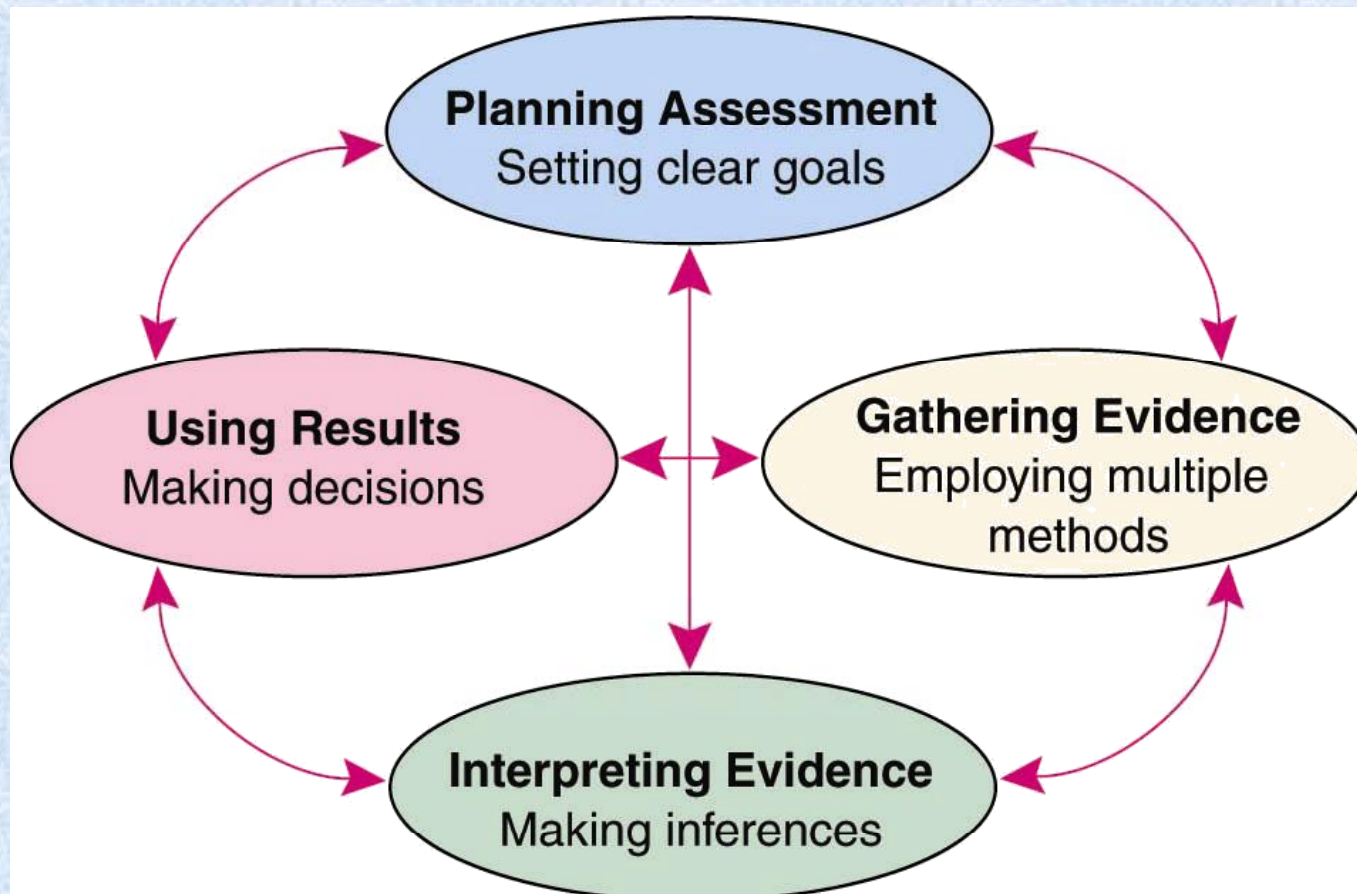
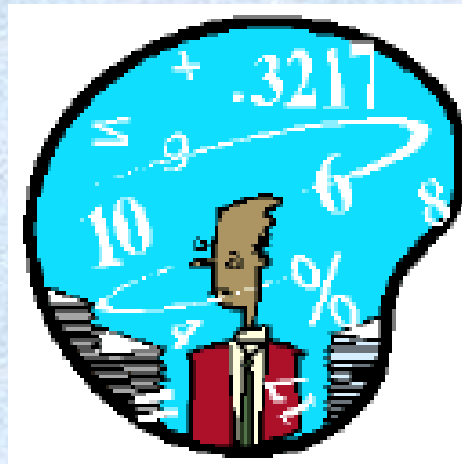


Figure 5.1 Assessment involves four stages that usually operate in a cycle. Source: Reprinted with permission from Principles and Standards for School Mathematics. Copyright 2000 by the NCTM. All rights reserved

Purposes of Assessment

- Monitor Student Progress
- Make Instructional Decisions
- Evaluate Student Achievement
- Evaluate Program

**Appropriate Assessment tasks
allow student to demonstrate
what they know!**



Simple Rubrics

- **Four Point Scale**

- Excellent
- Proficient
- Marginal
- Unsatisfactory

- **Three Point Scale:**

- Above & Beyond
- On Target
- Not There Yet

See links on following slide

Rubric Web Links

- <http://rubistar.4teachers.org/index.php>
- http://teach-nology.com/web_tools/rubrics/
- http://www.taskstream.com/Main/main_frame.asp

Using Observation in Assessment

Anecdotal Notes

Observation Rubric

Checklists & Forms: Individuals

Class Checklists

Journals and Writing

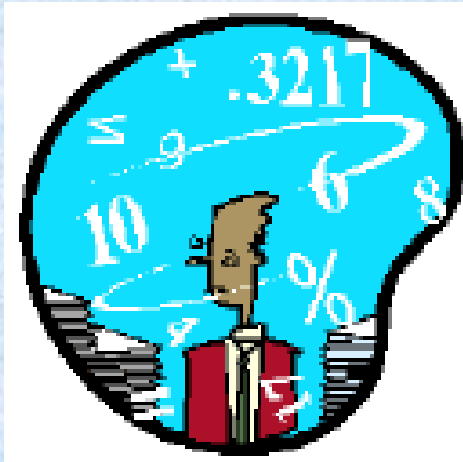
Journals

Writing Prompts

Early Learners: Journals

Student Self-Assessment

TESTS



How has North Carolina's Testing Program impacted classroom assessment practices?

See DPI Assessment Links on following slide

Testing and Accountability Web Links

- <http://www.ncpublicschools.org/accountability/>
- <http://www.ncpublicschools.org/accountability/testing/eog/>

What Do You Think

Is the testing preparation appropriate?

- Mrs. Gordon plans for her 6th grade students to practice all year for the EOG tests. She has been able to make photocopies of most of the test's pages during the past several years so her students are given actual test items to solve. Mrs. Gordon also provides students with an answer key so they can check their answers.
- What's your opinion of this preparation?

What Do You Think?

- Mrs. Hewett knows that reading that the reading EOG test contains a set of six lengthy reading selections, followed by 10 multiple choice items. She routinely spends time in class providing passages similar to those used on the EOG tests, then gives her students a variety of practice tests to assess the skills to be tested.
- What's your opinion of this preparation?

Portfolios and Assessment

Portfolio Content

Portfolio Management

Assessing Conceptual Understanding

Ask students to:

- describe concepts in their own words
- identify or give examples and non-examples of concepts
- relate to other important mathematical concepts
- apply concepts appropriately in a variety of real-world situations
- reconstruct and explain, rather than memorize

Assessment Should Answer the Following Questions

- How can I communicate my expectations about my students' understanding and quality of work?
- What do I think my students understand? How can I find out?
- Does the assessment provide an opportunity for students to show me understanding?
- What question, task or activity should I pose next to build or extend the students' understanding?

Assessment Reminders

- Shift our emphasis from comparing/ranking children to being good diagnosticians of their work.
- Develop the skills to judge work that asks more of students than just the right answer.
- Develop confidence that what we are saying about students' development is valid.
- Collect evidence to support our judgments about student work.

Demonstrate Your Understanding of Assessment

Based on the activities and information presented today, answer the following and submit to me in writing or through email:

- *Describe the importance of knowing how to implement effective assessment strategies in your classroom. (What did you learn about assessment today?)*
- *How will you create an effective assessment for a student learning objective?*