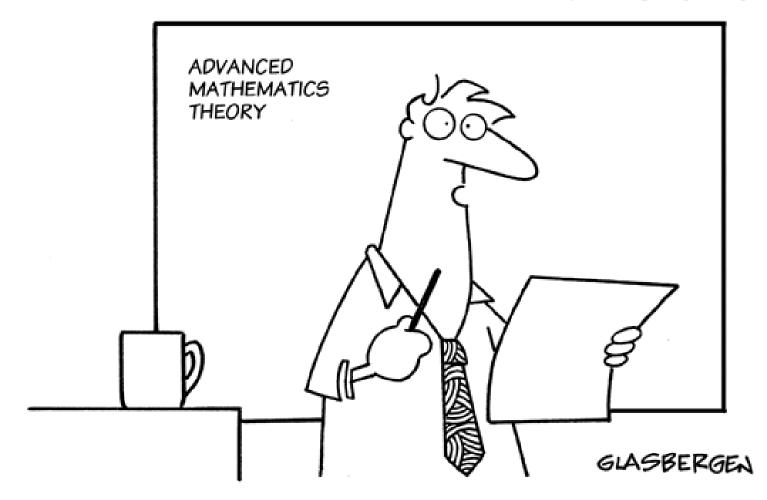
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"Today's test is 70% of your final grade which makes up 35% of your grade for the semester and 20% of your GPA for 50% of your scholastic career for 15% of the curriculum. If you can explain this to the person next you, you pass the test."

1

Assessment What and how?



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An example

- □ In a school for Vocational education
- □ All teachers said: they can not make calculations

18 + 9



17 + 19



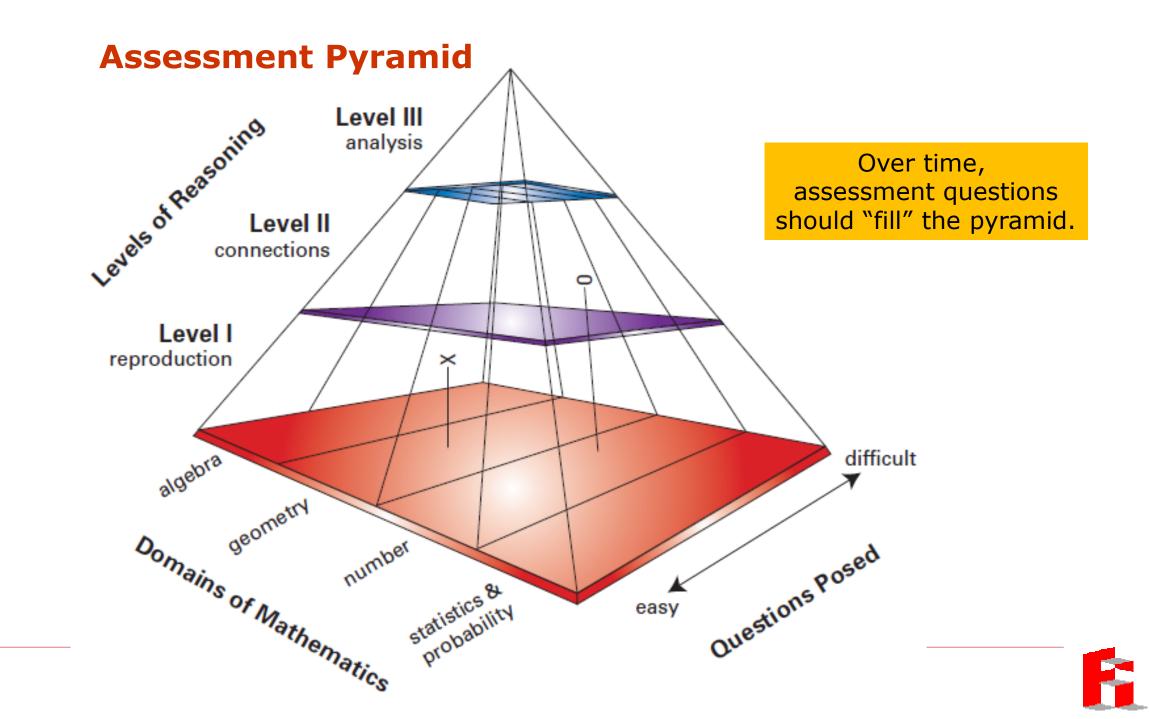
The role of assessment? Why do we assess?

- □ To see where the students are
- □ To see what students know/can do
- □ To show students where they are
- □ To motivate students by giving properly feedback
- □ Where to start
- □ To reflect on previous teaching: what to do next.

□ For a grade







The Levels of Competencies

- Reproduction, procedures, concepts and definitions
- Making connections, integration and problem solving
- 3. Mathematizing, mathematical thinking and reasoning, generalizing and insight



Example of Level 1 Knowledge of Facts and Definitions

- How many degrees are the angles of an isosceles triangle?
- □ What units would be the best to measure the weight of an egg?
 - A. centimeters
 - B. millimeters
 - C. grams
 - D. kilograms



Examples of Level 1 Use of Routine Procedures

- □ What is the approximate surface area (A) of a cone whose slant height (s) is 6 inches and whose radius (r) is 3 inches? Use the formula: $A = \pi r^2 \cdot \pi rs$
- Only \$139.99 plus 8.25% salestax.
 What is the price of this walkman, tax included?





Level 1 or 2?

Ē



Level?

In a calculus class, 15 of the students play soccer. Find the total number of students in the class if 3 out of every 5 students play soccer.

3 out of every 5 play soccer

Sample strategy 1			
15 students play soccer:			
soccer			
3	5		
3	5		
3	5		
3	5		
3	5		

So the total number in class is 25



3 out of every 5 play soccer

Sample strategy 2 3 out of 5 is the ratio, so I solved

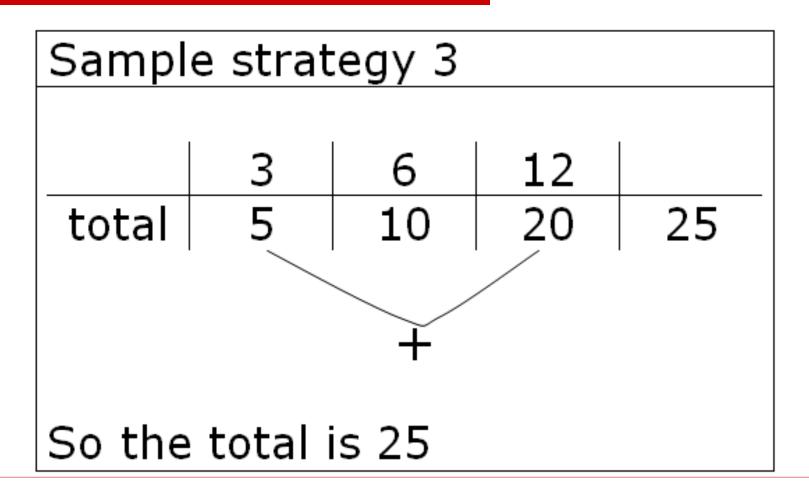
$$\frac{3}{5} = \frac{15}{x}$$

$$\frac{15}{25} = \frac{15}{5}$$

$$\overline{25}^{-}$$
 x



3 out of every 5 play soccer





F

Examples of Level 3

Thinking problems

A-lympiad (Monica, Dédé)

□ Other presentations?



What is a balanced assessment?

Depending on the specific chapter or unit that is assessed, we sometimes use the following general rule of the distribution of time and scoring points:

TIME NEEDED				
Level 1	Level 2	Level 3		
55%	30%	15%		
SCORING POINTS				

Or L1 : L2 : L3 = 3 : 2 : 1





□ How would you value a 60% score on a balanced assessment?

TIME NEEDED				
Level 1	Level 2	Level 3		
55%	30%	15%		
SCORING POINTS				



Choose your activity

- Analyze an assessment: Models You can Count on (From Mathematics in Context)
- Evaluate student work





A test should reflect previous teaching



I DON'T HEAR HIM WHISTLING! TAUGHT STRIPE HOW TO WHISTLE. 5A/D I TAUGHT 4IM. DIDN'T LEARNED 17. 5AY HE 0

R

(Source unknown.)