



TOOL // Math Assessment Rubric

What is it used for?

The tool is used to assess student performance on summative assessments that cross all four categories.

How do you use it?

The teacher designs key assessment questions that reflect performance across the four categories in the achievement chart. The rubric is then used to guide teacher evaluation of student performance. By highlighting student performance on the rubric, the teacher can assign an overall level of achievement.

MATH ASSESSMENT RUBRIC

Category/Level	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding	Limited knowledge of content and concepts related to: patterning, variables, and graphs	Some knowledge of content and concepts related to: patterning, variables, and graphs	Considerable knowledge of content and concepts related to: patterning, variables, and graphs	Thorough knowledge of content and concepts related to: patterning, variables, and graphs
Application	Applies and transfers knowledge of patterning, variables and graphs with a limited degree of effectiveness	Applies and transfers knowledge of patterning, variables and graphs with some effectiveness	Applies and transfers knowledge of patterning, variables and graphs with a considerable degree of effectiveness	Applies and transfers knowledge of patterning, variables and graphs with a high degree of effectiveness
Thinking (Understanding Problem Solving Questions)	Limited understanding of the problem and simple/inappropriate strategies limited accuracy in carrying out the plan	Some understanding of the problem and limited strategies and/or accuracy in carrying out the plan	Considerable understanding of the problem and appropriate strategies few errors in carrying out the plan	Thorough understanding of the problem and highly appropriate strategies, rarely any errors in carrying out the plan
Communication	Expresses and organizes thinking with few details Rarely uses appropriate mathematical terms or symbols	Expresses and organizes thinking with some basic detail Uses some basic mathematical terms and/or symbols	Expresses and organizes thinking with general degree of detail usually using mathematical terms and symbols	Expresses and organizes thinking with a high degree of detail consistently using correct mathematical terms and symbols

Limited and/or no assistance

Some assistance

Independent

FEEDBACK: