

Elementary Math GRC Rubric

Consider the Following When Using the Elementary Math Rubric

- Gradebook Reporting Criteria (GRC) are based on the Colorado Academic Standards. GRCs are designed for reporting on student learning in student- and parent-friendly language. Most courses have four GRCs.
- A student may receive a 3 or 4 at any point in time, provided that current work and performance of that student align with the descriptors at a Level 3 or 4.
- The difference between Level 3 and Level 4 performance is generally based on student work that involves transfer, depth, and complexity.
- When a student's performance falls between two performance level descriptors on the rubric, a teacher should seek input from colleagues and use professional judgment in making a determination of performance.
- In order to assess if a student is achieving at the "Advanced Understanding" Level (4) of performance, ***it will be necessary to provide opportunities for students to work at the highest level of performance.*** To accomplish this goal, teachers will need to adjust instruction and assessment practices.
- For example:
 - Use of Math Masters identified in Part 3 of each lesson as ***Enrichment Activities*** should be incorporated into daily lesson planning for **all students** 3-4 times in each unit as Level 4 opportunities.
 - *It will be necessary to include the Open Response portion of each written assessment for all students* as a Level 4 opportunity.
 - Challenge Math supplements that ask students to extend AND explain thinking *may* be considered appropriate Level 4 opportunities.
- Students completing RSA's and Unit Assessment Part A with near perfect scores would still be considered at Level 3 *unless the student has demonstrated a consistent ability to complete Level 4 opportunities in the standard with success.*
- **Unit and formal assessments should be graded holistically by standard and not as individual items.** A student's proficiency level is determined by the Level Descriptor (1-4) that best aligns with that student's overall performance in a GRC on the assessment.



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Mathematics GRC's at the elementary level are the same as the Colorado Mathematics Content Standards. The rubric below can be applied to work in any of these standards.

- **Standard 1: Number Sense, Properties and Operations**
- **Standard 2: Patterns, Functions and Algebraic Structures**
- **Standard 3: Data Analysis, Statistics and Probability**
- **Standard 4: Shape Dimension and Geometric Relationships**

Advanced Understanding 4	Meets the Standard 3	Approaching 2	Does Not Meet 1
<ul style="list-style-type: none"> • The student uses developmentally appropriate mathematical concepts and skills to solve unusual or extended response problems with limited errors. <p style="text-align: center;">and ...</p> <ul style="list-style-type: none"> • Student explanations and reasoning are complete, logical and detailed. 	<ul style="list-style-type: none"> • The student uses appropriate mathematical concepts and skills to solve familiar problems with limited errors. <p style="text-align: center;">and ...</p> <ul style="list-style-type: none"> • Student explanations and reasoning are complete and logical but lack details. 	<ul style="list-style-type: none"> • The student appears to understand some appropriate mathematical concepts and skills but is inconsistent in finding solutions. <p style="text-align: center;">and ...</p> <ul style="list-style-type: none"> • Student explanations and reasoning are incomplete or lack logical flow. 	<ul style="list-style-type: none"> • The student appears to not understand appropriate mathematical concepts and skills and is unsuccessful in finding solutions. <p style="text-align: center;">and ...</p> <ul style="list-style-type: none"> • Student explanations are absent or do not match process/solution.

