

## Math Section 6 Rubric

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

### Math Standards Expectations

Students can...

#### Counting and Cardinality:

- read and write numbers from 0-20 and represent sets with numerals.

#### Operations and Algebraic Thinking:

- represent addition and subtraction concretely and verbally.

#### Measurement and Data:

- compare objects by length and by weight and describe the difference using terms such as "lighter", "heavier", "shorter", and "longer".
- classify objects into given categories, count the number of objects in each category, and sort the categories by count.

#### Geometry:

- correctly name a variety of 2D shapes and some 3D shapes.

### Standards and Goals for Mathematical Practice

#### SMP 4- Model with mathematics.

- GMP4.1 Model real-world situations using graphs, drawings, tables, symbols, numbers, diagrams and other representations.
- GMP4.2- Use mathematical models to solve problems and answer questions.

#### SMP 8- Look for and express regularity in repeated reasoning.

- GMP8.1 Create and justify rules, shortcuts, and generalizations.

