

## 5th Grade Mathematics Rubrics by Domain / Trimester

### Report Card / Rubric Rating Scale:

Rating:	Description:
4	Demonstrates skill / concept development that exceeds the current grade level standards
3	Demonstrates skill / concept development that meets the current grade level standards
2	Demonstrates skill / concept development approaching the current grade level standards
1	Demonstrates skill / concept development significantly below the current grade level standards

### Number and Operations in Base Ten:

Trimester 1	Trimester 2	Trimester 3
<ul style="list-style-type: none"> <li>• Uses place value understanding to perform operations with multi-digit whole numbers; finds whole number quotients with up to 3 digit dividends and 1 digit divisors (xxxx÷xx)</li> <li>• Uses place value understanding to perform operations with decimals to hundredths; adds, subtracts, multiplies, and divides with concrete models</li> </ul>	<ul style="list-style-type: none"> <li>• Uses place value understanding to perform operations with multi-digit whole numbers; finds whole number quotients with up to 4 digit dividends and 2 digit divisors (xxxx÷xx)</li> </ul>	<ul style="list-style-type: none"> <li>• Fluency: 5.NBT.5 Multi-digit multiplication</li> </ul>

### Number and Operations--Fractions:

Trimester 1	Trimester 2	Trimester 3
<ul style="list-style-type: none"> <li>• Interprets a fraction as division; solves word problems involving whole numbers leading to answers in the form of fractions</li> </ul>	<ul style="list-style-type: none"> <li>• Uses equivalent fractions as a strategy to add and subtract fractions with unlike denominators; applies to word problems</li> <li>• Uses benchmark fractions and number sense of fractions to estimate mentally and to assess the reasonableness of answers</li> <li>• Multiplies a fraction or whole number by a fraction; finds areas of rectangles</li> </ul>	<ul style="list-style-type: none"> <li>• Divides unit fractions by whole numbers and whole numbers by unit fractions</li> </ul>

### Operations and Algebraic Thinking:

Trimester 1	Trimester 2	Trimester 3
<ul style="list-style-type: none"> <li>• Writes and interprets numerical expressions using grouping symbols ( ) { } [ ]</li> </ul>	<ul style="list-style-type: none"> <li>• Analyzes patterns and relationships (generates numerical patterns)</li> </ul>	<ul style="list-style-type: none"> <li>• Analyzes patterns and relationships (generates two numerical patterns using two given rules, forms ordered pairs, and graphs on a coordinate plane)</li> </ul>

**Measurement and Data:**

Trimester 1	Trimester 2	Trimester 3
NA	NA	<ul style="list-style-type: none"><li>• Converts like measurement units within a given measurement system.</li><li>• Represents and interprets measurement data with fractions of a unit in a line plot using operations of fractions</li><li>• Geometric measurement: understands concepts of volume; relates volume to multiplication and addition</li></ul>

**Geometry:**

Trimester 1	Trimester 2	Trimester 3
NA	NA	<ul style="list-style-type: none"><li>• Demonstrates understanding of a coordinate plane</li><li>• Graphs points on the coordinate plane to solve real-world and mathematical problems (plot points in Quadrant 1 only)</li><li>• Classifies 2D figures into categories and subcategories/hierarchies based on their properties</li></ul>