

Fourth Grade Math Rubric

Fourth Grade Math Rubric	1-Limited Understanding of Grade Level Standard	2-Progressing Towards Grade Level Standard	3-Meets Grade Level Standard	E-Exceeds Grade Level Standard
Number & Operations				
<p>Understand numbers, ways of representing numbers, relationships among numbers, and number systems</p> <p>Understand meanings of operations and how they relate to one another</p> <p>Compute fluently and make reasonable estimates</p>	Skill is limited with less than 50% accuracy; may require significant teacher help	Inconsistent demonstration of skill with 50%-79% accuracy	Consistent demonstration of skill with 80%-100% accuracy	Strategically solves and communicates mathematical thinking in various ways beyond grade level standards
Algebra				
<p>Understand patterns, relations, and functions</p> <p>Represent and analyze mathematical situations and structures using algebraic symbols</p> <p>Use mathematical models to represent and understand quantitative relationships</p>	Skill is limited with less than 50% accuracy; may require significant teacher help	Inconsistent demonstration of skill with 50%-79% accuracy	Consistent demonstration of skill with 80%-100% accuracy	Strategically solves and communicates mathematical thinking in various ways beyond grade level standards
Data Analysis				
<p>Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them</p> <p>Develop and evaluate inferences and predictions that are based on data</p> <p>Understand and apply basic concepts of probability</p>	Skill is limited with less than 50% accuracy; may require significant teacher help	Inconsistent demonstration of skill with 50%-79% accuracy	Consistent demonstration of skill with 80%-100% accuracy	Strategically solves and communicates mathematical thinking in various ways beyond grade level standards

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Geometry and Measurement				
<p>Analyze characteristics and properties of two- and three-dimensional geometric shapes and develop mathematical arguments about geometric relationships</p> <p>Specify locations and describe spatial relationships using coordinate geometry and other representational systems</p> <p>Apply transformations and use symmetry to analyze mathematical situations</p> <p>Use visualization, spatial reasoning, and geometric modeling to solve problems</p>	<p>Skill is limited with less than 50% accuracy; may require significant teacher help</p>	<p>Inconsistent demonstration of skill with 50%-79% accuracy</p>	<p>Consistent demonstration of skill with 80%-100% accuracy</p>	<p>Strategically solves and communicates mathematical thinking in various ways beyond grade level standards</p>