

Fifth Grade Math Rubric

Operations and Algebraic Thinking

	Support Needed	Progressing	Meets
Writes, solves, and interprets numerical expressions	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates a limited* ability and/or inconsistently writes, solves, and interprets numerical expressions.</p>	<p>Partially completes and/or completes activities with support and guidance.</p> <p>Demonstrates developing* ability to write, solve, and interpret numerical expressions.</p>	<p>Independently completes activities.</p> <p>Consistently* writes, solves, and interprets numerical expressions.</p>
Analyzes number patterns by forming and graphing ordered pairs.	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates a limited* ability and/or inconsistently analyzes number patterns by forming and graphing ordered pairs.</p>	<p>Partially completes and/or completes activities with support and guidance.</p> <p>Demonstrates developing* ability to analyze number patterns by forming and graphing ordered pairs.</p>	<p>Independently completes activities.</p> <p>Consistently* analyzes number patterns by forming and graphing ordered pairs.</p>

Fifth Grade Math Rubric

Number and Operations in Base Ten

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Understands the place value system using powers of ten.

Does not complete and/or requires full support and guidance with activities.

Demonstrates a limited* and/or inconsistent understanding of the place value system using the powers of ten.

Partially completes and/or completes activities with support and guidance.

Demonstrates a developing* understanding of the place value system using the powers of ten.

Independently completes activities.

Consistently* demonstrates an understanding of the place value system using powers of ten.

Writes, compares and rounds whole numbers and decimals.

Does not complete and/or requires full support and guidance with activities.

Demonstrates a limited* ability and/or inconsistently writes, compares and rounds whole numbers and decimals.

Partially completes and/or completes activities with support and guidance.

Demonstrates a developing* ability to write, compare and round whole numbers and decimals.

Independently completes activities.

Consistently* writes, compares, and rounds whole numbers and decimals.

Multiplies multi-digit whole numbers

Does not complete and/or requires full support and guidance with activities.

Demonstrates a limited* ability and/or inconsistently multiply multi-digit whole numbers.

Partially completes and/or completes activities with support and guidance.

Demonstrates a developing* ability to multiply multi-digit whole numbers.

Independently completes activities.

Consistently* multiplies multi-digit whole numbers.

Divides whole numbers using up to 2-digit divisors

Does not complete and/or requires full support and

Partially completes and/or completes activities with

Independently completes activities.

	<p>guidance with activities.</p> <p>Demonstrates a limited* ability and/or inconsistently divides whole numbers using up to 2-digit divisors.</p>	<p>support and guidance.</p> <p>Demonstrates a developing* ability to divide whole numbers using up to 2-digit divisors.</p>	<p>Consistently* divides whole numbers using up to 2-digit divisors.</p>
<p>Add, subtracts, multiplies, and divides decimals</p>	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates a limited* ability and/or inconsistently adds, subtracts, multiplies, and divides decimals.</p>	<p>Partially completes and/or completes activities with support and guidance.</p> <p>Demonstrates a developing* ability to add, subtract, multiply or divide decimals.</p>	<p>Independently completes activities.</p> <p>Consistently* adds, subtracts, multiplies, and divides decimals.</p>

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Number and Operations - Fractions

	Support Needed	Progressing	Meets
<p>Adds and subtracts fractions and mixed numbers with unlike denominators.</p>	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates a limited* ability and/or inconsistently adds and subtracts fractions and mixed numbers with unlike denominators.</p>	<p>Partially completes and/or completes activities with support and guidance.</p> <p>Demonstrates a developing* ability to add and subtract fractions and mixed numbers with unlike denominators.</p>	<p>Independently completes activities.</p> <p>Consistently* adds and subtracts fractions and mixed numbers with unlike denominators.</p>
<p>Multiplies fractions and mixed numbers</p>	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates a limited* ability and/or inconsistently multiplies fractions and mixed numbers.</p>	<p>Partially completes and/or completes activities with support and guidance.</p> <p>Demonstrates a developing* ability to multiply fractions and mixed numbers.</p>	<p>Independently completes activities.</p> <p>Consistently* multiplies fractions and mixed numbers.</p>
<p>Divides fractions and mixed numbers</p>	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates a limited* ability and/or inconsistently divides fractions and mixed numbers.</p>	<p>Partially completes and/or completes activities with support and guidance.</p> <p>Demonstrates a developing* ability to divide fractions and mixed numbers.</p>	<p>Independently completes activities.</p> <p>Consistently* divides fractions and mixed numbers.</p>

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Measurement and Data

	Support Needed	Progressing	Meet
Converts measurement units within a measurement system.	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates a limited* ability and/or inconsistently converts measurement units within a measurement system.</p>	<p>Partially completes and/or completes activities with support and guidance.</p> <p>Demonstrates a developing* ability to convert measurement units within a measurement system.</p>	<p>Independently completes activities.</p> <p>Consistently* converts measurement units within a measurement system.</p>
Represents and interprets data by creating a line plot.	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates a limited* ability and/or inconsistently represents and interprets data by creating a line plot.</p>	<p>Partially completes and/or completes activities with support and guidance.</p> <p>Demonstrates a developing* ability to represent and interpret data by creating a line plot.</p>	<p>Independently completes activities.</p> <p>Consistently* represents and interprets data by creating a line plot.</p>
Understands concepts of volume.	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates a limited* ability and/or inconsistently understands concepts of volume.</p>	<p>Partially completes and/or completes activities with support and guidance.</p> <p>Demonstrates a developing* ability to understand concepts of volume.</p>	<p>Independently completes activities.</p> <p>Consistently* understands concepts of volume.</p>

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Geometry

	Support Needed	Progressing	Meets
Graphs points on a coordinate plane to solve real-world problems.	Does not complete and/or requires full support and guidance with activities. Demonstrates a limited* ability and/or inconsistently graph points on a coordinate plane to solve real-world problems.	Partially completes and/or completes activities with support and guidance. Demonstrates a developing* ability to graph points on a coordinate plane to solve real-world problems.	Independently completes activities. Consistently* graphs points on a coordinate plane to solve real-world problems.
Classifies two-dimensional figures.	Does not complete and/or requires full support and guidance with activities. Demonstrates a limited* ability and/or inconsistently classifies two-dimensional figures.	Partially completes and/or completes activities with support and guidance. Demonstrates a developing* ability to classify two-dimensional figures.	Independently completes activities. Consistently* classifies two-dimensional figures.

Definitions	
Consistent Ability	90 - 100%
Developing Ability	75 – 89%
Limited and/or Inconsistent Ability	0 - 74%