

# Third Grade Parent Rubric

## Quarter 3 Math

<b>Numbers and Operations</b>	<b>3</b>
<b>M3N3</b> <b>Develop understanding of multiplication of whole numbers and develop the ability to apply it in problem solving</b>	<p>Consistently knows and uses the multiplication facts to 10 x 10. Is fluent – can quickly and accurately answer the multiplication facts with 85% or great accuracy on 25 problems in less than 3 minutes.</p> <p>Consistently solves word problems involving multiplication and shows or explains work</p> <p>Consistently uses array and area models. Understands the distributive property. Can determine partial products for multiplication of 2- or 3-digit numbers by a 1 digit number.</p>
<b>M3N4</b> <b>Understand the meaning of division and develop the ability to apply it in problem solving</b>	<p>Explains the relationship between division and multiplication and between division and subtraction</p> <p>Consistently solves word problems involving division and shows or explains work</p>
<b>M3N5</b> <b>Understand the meaning of decimals and common fractions in simple cases and apply them in problem solving situations</b>	<p>Recognizes and explains that fractions and decimals are part of a whole</p> <p>Consistently adds and subtracts decimals and fractions with like denominators</p> <p>Consistently solves problems using fractions</p>
<b>Data Analysis</b>	<b>3</b>
<b>M3D1</b> <b>Create and interpret simple tables and graphs</b>	<p>Consistently constructs and interprets bar graphs using increments of 1, 2, 5, and 10</p> <p>Consistently solves problems by organizing and displaying data in bar graphs and tables</p>
<b>Measurement</b>	<b>3</b>
<b>M3M2</b> <b>Measure length choosing appropriate units and tools</b>	<p>Consistently &amp; independently measures to the nearest <math>\frac{1}{4}</math> inch and millimeter</p> <p>Independently compares units of measure within a system</p> <p>Consistently estimates lengths of objects in appropriate units</p>
<b>M3M3</b> <b>Understand and measure the perimeter of simple geometric figures</b>	<p>Independently measures and determines the perimeter of simple geometric shapes</p> <p>Explains or shows work</p>
<b>M3M4</b> <b>Understands and measures the area of simple geometric shapes</b>	<p>Independently determines the area of simple geometric shapes</p> <p>Explains or shows work</p>

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<b>Geometry</b>	<b>3</b>
<b>M3G1</b> <b>Develop understanding of geometric figures by drawing them. State and explain their properties.</b>	Independently draws and classifies geometric shapes Independently classifies scalene, isosceles, and equilateral triangles Independently identifies the center, diameter, and radius of a circle
<b>Algebra</b>	<b>3</b>
<b>M3A1</b> <b>Use mathematical expressions to represent relationships between quantities and interpret given expressions</b>	Writes and evaluates mathematical expressions using symbols and different values Understands and applies patterns and rules to describe relationships and solve problems