



## North Carolina Individual Student Report

Grade 4 Math | NC Interim 1

Student ID: 1234567890

Student Name: SIERRA TEST

Process Date: 10/8/2021

School Name: Green Mountain Elementary

Recently, your student took an NC Interim in mathematics. This report provides information on your student's progress in learning grade 4 mathematics. At this time, your student's progress is indicated as ranging from Approaching to Satisfactory. Your student's teacher will use this information to address learning needs for the remainder of the school year.

**Approaching-** The student is beginning to understand these concepts; more support is needed.

**Satisfactory-** The student has a satisfactory understanding of these concepts.

*Note: The blue circle shows how the student is progressing on each learning concept.*

For more information regarding these standards, please visit <https://dpi.nc.gov/media/4007/open>.

Math Learning Concepts Tested	Progress on Learning Concepts
<b>Operations and Algebraic Thinking</b> Students can: <ul style="list-style-type: none"><li>Multiply and divide using models and equations</li><li>Understand the difference between how many more and how many times more</li></ul>	Approaching ● Satisfactory
<b>Numbers and Operations in Base Ten</b> Students can: <ul style="list-style-type: none"><li>Read, write, and break apart multi-digit numbers (up to 100,000)</li></ul>	Approaching ● Satisfactory
<b>Numbers and Operations in Base Ten</b> Students can: <ul style="list-style-type: none"><li>Solve multi-digit addition and subtraction problems (up to 100,000)</li></ul>	Approaching ● Satisfactory
<b>Numbers and Operations in Base Ten</b> Students can: <ul style="list-style-type: none"><li>Use <math>&gt;</math>, <math>&lt;</math>, and <math>=</math> symbols when comparing multi-digit numbers (up to 100,000)</li></ul>	Approaching ● Satisfactory
<b>Geometry, Measurement and Data</b> Students can: <ul style="list-style-type: none"><li>Classify lines and angles</li><li>Work with area and perimeter, including word problems</li></ul>	Approaching ● Satisfactory



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Math Learning Concepts Tested	Progress on Learning Concepts
<b>Operations and Algebraic Thinking</b> Students can: <ul style="list-style-type: none"><li>Solve two-step addition, subtraction, multiplication, and division word problems</li></ul>	Approaching ● Satisfactory
<b>Numbers and Operations in Base Ten</b> Students can: <ul style="list-style-type: none"><li>Multiply a whole number (up to three digits) by a one-digit whole number</li><li>Multiply two two-digit numbers</li><li>Use this knowledge to solve multi-digit multiplication word problems</li></ul>	Approaching ● Satisfactory
<b>Numbers and Operations in Base Ten</b> Students can: <ul style="list-style-type: none"><li>Divide up to three-digit numbers by a one-digit number</li><li>Interpret a remainder in context</li></ul>	Approaching ● Satisfactory
<b>Numbers and Operations - Fractions</b> Students can: <ul style="list-style-type: none"><li>Use models to compare numbers and size of fraction parts</li></ul>	Approaching ● Satisfactory
<b>Numbers and Operations - Fractions</b> Students can: <ul style="list-style-type: none"><li>Use &lt;, &gt;, and = symbols to compare fractions that have different numerators and denominators</li><li>Use this knowledge to solve fraction word problems</li></ul>	Approaching ● Satisfactory



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Math Learning Concepts Tested	Progress on Learning Concepts
<b>Numbers and Operations in Base Ten</b> Students can: <ul style="list-style-type: none"><li>Multiply a whole number (up to three digits) by a one-digit whole number</li><li>Multiply two two-digit numbers</li><li>Use this knowledge to solve multi-digit multiplication word problems</li></ul>	Approaching ● Satisfactory
<b>Numbers and Operations - Fractions</b> Students can: <ul style="list-style-type: none"><li>Add and subtract fractions (including mixed numbers with matching denominators)</li><li>Use this knowledge to solve multiplication of fractions word problems</li></ul>	Approaching ● Satisfactory
<b>Numbers and Operations - Fractions</b> Students can: <ul style="list-style-type: none"><li>Multiply fractions by whole numbers</li><li>Use this knowledge to solve multiplication of fractions word problems</li></ul>	Approaching ● Satisfactory
<b>Numbers and Operations - Fractions</b> Students can: <ul style="list-style-type: none"><li>Add fractions with denominators of 10 and 100</li><li>Model tenths and hundredths to show connections between fractions and decimals</li></ul>	Approaching ● Satisfactory
<b>Numbers and Operations - Fractions</b> Students can: <ul style="list-style-type: none"><li>Use <math>&gt;</math>, <math>&lt;</math>, and <math>=</math> symbols to compare decimals to the hundredths place</li></ul>	Approaching ● Satisfactory
<b>Geometry, Measurement and Data</b> Students can: <ul style="list-style-type: none"><li>Classify quadrilaterals using lines and angles</li><li>Read and explain data</li><li>Understand a frequency table, scaled bar graph, and line plot</li></ul>	Approaching ● Satisfactory



North Carolina Department of  
PUBLIC INSTRUCTION

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Math Learning Concepts Tested	Progress on Learning Concepts
<b>Geometry</b> Students can: <ul style="list-style-type: none"><li>Use a scale drawing to solve problems and calculate lengths and areas</li></ul>	Approaching ● Satisfactory
<b>The Number System</b> Students can: <ul style="list-style-type: none"><li>Add, subtract, multiply, and divide rational numbers (whole numbers, fractions, decimals)</li></ul>	Approaching ● Satisfactory
<b>Ratio and Proportional Reasoning</b> Students can: <ul style="list-style-type: none"><li>Calculate unit rates (amount of something per one unit of something else) with ratios of fractions</li></ul>	Approaching ● Satisfactory
<b>Ratio and Proportional Reasoning</b> Students can: <ul style="list-style-type: none"><li>Represent and compare proportional relationships</li><li>Determine if a relationship is proportional</li><li>Identify the unit rate</li><li>Understand the meaning of a point on a graph</li></ul>	Approaching ● Satisfactory
<b>Ratio and Proportional Reasoning</b> Students can: <ul style="list-style-type: none"><li>Solve real-world ratio and percent problems using unit rates</li></ul>	Approaching ● Satisfactory



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Math Learning Concepts Tested	Progress on Learning Concepts
<b>Expressions and Equations</b> Students can: <ul style="list-style-type: none"><li>Add, subtract, and expand expressions</li><li>Factor a linear expression (algebraic statement) by positive or negative whole number</li></ul>	Approaching ● Satisfactory
<b>Expressions and Equations</b> Students can: <ul style="list-style-type: none"><li>Use algebraic expressions to solve problems</li><li>Add, subtract, multiply, and divide rational numbers (positive and negative whole numbers, decimals, and fractions)</li><li>Convert between number forms and equivalent (equal) expressions</li></ul>	Approaching ● Satisfactory
<b>Expressions and Equations</b> Students can: <ul style="list-style-type: none"><li>Create and solve multi-step equations and inequalities where the variable (a letter that represents an unknown amount) is on one side</li><li>Graph the solution set for an inequality (an unequal relationship between quantities using <math>&lt;</math>, <math>&gt;</math>, <math>\geq</math>, <math>\leq</math>)</li></ul>	Approaching ● Satisfactory
<b>The Number System</b> Students can: <ul style="list-style-type: none"><li>Add, subtract, multiply, and divide rational numbers</li></ul>	Approaching ● Satisfactory
<b>Ratio and Proportional Reasoning</b> Students can: <ul style="list-style-type: none"><li>Solve real-world ratio and percent problems using unit rates in proportional relationships</li></ul>	Approaching ● Satisfactory



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Math Learning Concepts Tested	Progress on Learning Concepts
<b>Expressions and Equations</b> Students can: <ul style="list-style-type: none"><li>Create and solve multi-step equations and inequalities where the variable (a letter that represents an unknown amount) is on one side</li><li>Explain what a solution or solution set means in context</li></ul>	Approaching ● Satisfactory
<b>Geometry</b> Students can: <ul style="list-style-type: none"><li>Use supplementary (add to 180°), complementary (add to 90°), and vertical (directly opposite) angles to create and solve multi-step equations to find an unknown angle</li></ul>	Approaching ● Satisfactory
<b>Geometry</b> Students can: <ul style="list-style-type: none"><li>Determine the area of two-dimensional objects</li><li>Find the volume and surface area of right prisms and cubes</li></ul>	Approaching ● Satisfactory
<b>Statistics and Probability</b> Students can: <ul style="list-style-type: none"><li>Find probabilities of simple events (i.e., drawing a card, flipping a coin, or rolling a number cube)</li><li>Use a probability model created by repeatedly performing a chance process (i.e., flipping a coin or rolling a number cube) and its recorded outcomes</li></ul>	Approaching ● Satisfactory
<b>Statistics and Probability</b> Students can: <ul style="list-style-type: none"><li>Find probabilities of compound events (i.e., flipping a coin and rolling a number cube) using organized lists, tables, tree diagrams, and simulations</li><li>Use a simulation (i.e., actually flipping a coin and rolling a number cube 50 times) to generate frequencies of compound events (i.e., flipping a coin and rolling a number cube)</li></ul>	Approaching ● Satisfactory