NC Check-In 2.0 | Math | Grade 4 | A



Student ID: 1234567890 Student Name: SIERRA TEST Process Date: 10/8/2021 School Name: Green Mountain Elementary

Recently, your student took an NC Check-In 2.0 in mathematics. This report provides information on your student's progress in learning grade 4 mathematics. At this time, your students 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.

Math Learning Concepts Tested	Progress on Learning Concepts	
<ul> <li>Operations and Algebraic Thinking</li> <li>Students can: <ul> <li>Multiply and divide using models and equations</li> <li>Understand the difference between how many more and how many times more</li> </ul> </li> </ul>	Approaching	Satisfactory
Numbers and Operations in Base Ten         Students can:         • Read, write, and break apart multi-digit numbers (up to 100,000)	Approaching	Satisfactory
Numbers and Operations in Base Ten         Students can:         • Solve multi-digit addition and subtraction problems (up to 100,000)	Approaching	Satisfactory
<ul> <li>Numbers and Operations in Base Ten</li> <li>Students can:</li> <li>Use &gt;, &lt;, and = symbols when comparing multi-digit numbers (up to 100,000)</li> </ul>	Approaching	Satisfactory
<ul> <li>Geometry, Measurement and Data</li> <li>Students can: <ul> <li>Classify lines and angles</li> <li>Work with area and perimeter, including word problems</li> </ul> </li> </ul>	Approaching	Satisfactory

North Carolina Department of PUBLIC INSTRUCTION

NC Check-In 2.0 | Math | Grade 4 | B

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**Approaching-** The student is beginning to understand these concepts; more support is needed. **Satisfactory-** The student has a satisfactory understanding of these concepts.

Math Learning Concepts Tested	Progress on Learning Concepts	
<ul> <li>Operations and Algebraic Thinking</li> <li>Students can: <ul> <li>Solve two-step addition, subtraction, multiplication, and division word problems</li> </ul> </li> </ul>	Approaching Satisfactory	
Numbers and Operations in Base Ten         Students can:         • Multiply a whole number (up to three digits) by a one-digit whole number         • Multiply two two-digit numbers         • Use this knowledge to solve multi-digit multiplication word problems	Approaching Satisfactory	
Numbers and Operations in Base Ten         Students can:         • Divide up to three-digit numbers by a one-digit number         • Interpret a remainder in context	Approaching Satisfactory	
Numbers and Operations - Fractions         Students can:         • Use models to compare numbers and size of fraction parts	Approaching Satisfactory	
<ul> <li>Numbers and Operations - Fractions</li> <li>Students can: <ul> <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> </li> </ul>	Approaching Satisfactory	



NC Check-In 2.0 | Math | Grade 4 | C

artment of UCTION Student ID: 1234567890 Student Name: SIERRA TEST Process Date: 10/8/2021 School Name: Green Mountain Elementary

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**Approaching-** The student is beginning to understand these concepts; more support is needed. **Satisfactory-** The student has a satisfactory understanding of these concepts.

Math Learning Concepts Tested	Progress on Learning Concepts	
Numbers and Operations in Base Ten         Students can:         • Multiply a whole number (up to three digits) by a one-digit whole number         • Multiply two two-digit numbers         • Use this knowledge to solve multi-digit multiplication word problems	Approaching	Satisfactory
Numbers and Operations - Fractions         Students can:         • Add and subtract fractions (including mixed numbers with matching denominators)         • Use this knowledge to solve multiplication of fractions word problems	Approaching	Satisfactory
Numbers and Operations - Fractions         Students can:         • Multiply fractions by whole numbers         • Use this knowledge to solve multiplication of fractions word problems	Approaching	Satisfactory
Numbers and Operations - Fractions         Students can:         • Add fractions with denominators of 10 and 100         • Model tenths and hundredths to show connections between fractions and decimals	Approaching	Satisfactory
Numbers and Operations - Fractions         Students can:         • Use >, <, and = symbols to compare decimals to the hundredths place	Approaching	Satisfactory
<ul> <li>Geometry, Measurement and Data</li> <li>Students can: <ul> <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> </li> </ul>	Approaching	Satisfactory

NC Check-In 2.0 | Math | Grade 5 | A



Student ID: 1234567890 Student Name: SIERRA TEST Process Date: 10/8/2021 School Name: Green Mountain Elementary

Recently, your student took an NC Check-In 2.0 in mathematics. This report provides information on your student's progress in learning grade 5 mathematics. At this time, your students 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.

Math Learning Concepts Tested	Progress on Learning Concepts	
<ul> <li>Operations and Algebraic Thinking</li> <li>Students can: <ul> <li>Work with or solve expressions by adding, subtracting, multiplying, and dividing, using parentheses and/or order of operations</li> </ul> </li> </ul>	Approaching Satisfactory	
Operations and Algebraic Thinking         Students can:         • Create number paterns for two rules         • Create and graph ordered pairs	Approaching Satisfactory	
Numbers and Operations in Base Ten         Students can:         • Multiply a two-digit number by a three-digit number using the standard algorithm	Approaching Satisfactory	
<ul> <li>Measurement and Data</li> <li>Students can: <ul> <li>Find the volume of a box, by using the formula width x length x height</li> <li>Find the volume of two connected boxes</li> </ul> </li> </ul>	Approaching Satisfactory	
Geometry Students can: • Identify order pairs on a graph	Approaching Satisfactory	

<b>T 1</b>	Nort	h Carolina Individual Student Report	
		NC Check-In 2.0   Math   Grade 5   B	
	Student ID: 1234567890	Process Date: 10/8/2021	
North Carolina Department of PUBLIC INSTRUCTION	Student Name: SIERRA TEST	School Name: Green Mountain Element	tary

Recently, your student took an NC Check-In 2.0 in mathematics. This report provides information on your student's progress in learning grade 5 mathematics. At this time, your students 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.

Math Learning Concepts Tested	Progress on Learning Concepts	
Numbers and Operations in Base Ten         Students can:         • Divide up to four-digit numbers by a two-digit number, including remainders	Approaching	Satisfactory
Numbers and Operations - Fractions         Students can:         • Add and subtract fractions and mixed numbers (using different denominators)         • Use this knowledge to solve one- and two-step word problems	Approaching	Satisfactory
Numbers and Operations - Fractions         Students can:         • Multiply fractions by whole numbers or mixed numbers         • Use this knowledge to solve one-step word problems	Approaching	Satisfactory
<ul> <li>Numbers and Operations - Fractions</li> <li>Students can:         <ul> <li>Solve one-step word problems by dividing whole numbers by unit fractions (fractions where top number is one); and dividing unit fractions by whole numbers</li> </ul> </li> </ul>	Approaching	Satisfactory
Measurement and Data         Students can:       Interpret data on a line graph         Classify data as categorical (e.g., favorite color) or numerical	Approaching	Satisfactory

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NC Check-In 2.0 | Math | Grade 5 | C

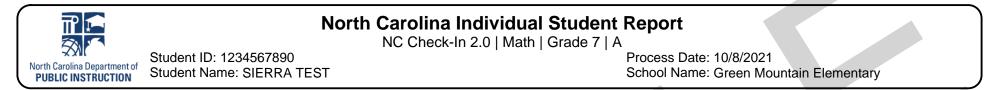


Student ID: 1234567890 Student Name: SIERRA TEST Process Date: 10/8/2021 School Name: Green Mountain Elementary

Recently, your student took an NC Check-In 2.0 in mathematics. This report provides information on your student's progress in learning grade 5 mathematics. At this time, your students 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.

Math Learning Concepts Tested	Progress on Learning Concepts	
Numbers and Operations in Base Ten         Students can:       • Read, write, and compare decimals to thousandths	Approaching	Satisfactory
<ul> <li>Numbers and Operations in Base Ten Students can:</li> <li>Add, subtract, multiply and divide to solve real world problems with multi-digit whole numbers and decimals</li> </ul>	Approaching	Satisfactory
Numbers and Operations - Fractions         Students can:         • Solve one-step word problems by dividing whole numbers to obtain fractions and mixed numbers	Approaching	Satisfactory
Numbers and Operations - Fractions         Students can:         • Multiply fractions by whole numbers; fractions by fractions (including mixed numbers)         • Use this knowledge to solve one-step word problems	Approaching	Satisfactory
Measurement and Data         Students can:       • Solve one-step conversion problems within a given measurement system	Approaching	Satisfactory



Recently, your student took an NC Check-In 2.0 in mathematics. This report provides information on your student's progress in learning grade 7 mathematics. At this time, your students 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.

Math Learning Concepts Tested	Progress on Learning Concepts	
Geometry Students can: • Use a scale drawing to solve problems and calculate lengths and areas	Approaching	Satisfactory
<ul> <li>The Number System</li> <li>Students can: <ul> <li>Add, subtract, multiply, and divide rational numbers (whole numbers, fractions, decimals)</li> </ul> </li> </ul>	Approaching	Satisfactory
<ul> <li>Ratio and Proportional Reasoning</li> <li>Students can: <ul> <li>Calculate unit rates (amount of something per one unit of something else) with ratios of fractions</li> </ul> </li> </ul>	Approaching	Satisfactory
Ratio and Proportional Reasoning         Students can:         • Represent and compare proportional relationships         • Determine if a relationship is proportional         • Indentify the unit rate         • Understand the meaning of a point on a graph	Approaching	Satisfactory
Ratio and Proportional Reasoning         Students can:         • Solve real-world ratio and percent problems using unit rates	Approaching	Satisfactory



NC Check-In 2.0 | Math | Grade 7 | B

epartment of RUCTION Student ID: 1234567890 Student Name: SIERRA TEST Process Date: 10/8/2021 School Name: Green Mountain Elementary

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**Approaching-** The student is beginning to understand these concepts; more support is needed. **Satisfactory-** The student has a satisfactory understanding of these concepts.

Math Learning Concepts Tested	Progress on Learning Concepts	
Expressions and Equations         Students can:         • Add, subtract, and expand expressions         • Factor a linear expression (algebraic statement) by positive or negative whole number	Approaching	Satisfactory
<ul> <li>Expressions and Equations</li> <li>Students can: <ul> <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> </li> </ul>	Approaching	Satisfactory
<ul> <li>Expressions and Equations</li> <li>Students can: <ul> <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 &lt;, &gt;, ≥, ≤)</li> </ul> </li> </ul>	Approaching	Satisfactory
The Number System         Students can:       • Add, subtract, multiply, and divide rational numbers	Approaching	Satisfactory
Ratio and Proportional Reasoning         Students can:         • Solve real-world ratio and percent problems using unit rates in proportional relationships	Approaching	Satisfactory



NC Check-In 2.0 | Math | Grade 7 | C

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**Approaching-** The student is beginning to understand these concepts; more support is needed. **Satisfactory-** The student has a satisfactory understanding of these concepts.

Math Learning Concepts Tested	Progress on Learning Concepts	
Expressions and Equations Students can:		
<ul> <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
<ul> <li>Geometry</li> <li>Students can: <ul> <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> </li> </ul>	Approaching	Satisfactory
Geometry Students can: • Determine the area of two-dimensional objects • Find the volume and surface area of right prisms and cubes	Approaching	Satisfactory
<ul> <li>Statistics and Probability</li> <li>Students can: <ul> <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> </li> </ul>	Approaching	Satisfactory
<ul> <li>Statistics and Probability</li> <li>Students can: <ul> <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> </li> </ul>	Approaching	Satisfactory



NC Check-In 2.0 | Math | Grade 8 | A

Department of TRUCTION Student ID: 1234567890 Student Name: SIERRA TEST Process Date: 10/8/2021 School Name: Green Mountain Elementary

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**Approaching-** The student is beginning to understand these concepts; more support is needed. **Satisfactory-** The student has a satisfactory understanding of these concepts.

Math Learning Concepts Tested	Progress on Learning Concepts	
The Number System         Students can:       • Identify irrational numbers (numbers whose decimal forms do not repeat or end)	Approaching	Satisfactory
Expressions and Equations Students can: • Use exponent rules to make equal expressions	Approaching	Satisfactory
<ul> <li>Expressions and Equations</li> <li>Students can: <ul> <li>Write and solve equations and inequalities with variables (letters that represent unknown amounts) on both sides</li> <li>Recognize when equations have one solution, no solutions, or many solutions</li> </ul> </li> </ul>	Approaching	Satisfactory
<ul> <li>Functions</li> <li>Students can:</li> <li>Understand that functions match one x-value to one y-value when given tables or ordered pairs</li> </ul>	Approaching	Satisfactory
<ul> <li>Geometry Students can: <ul> <li>Apply rotations (turns), reflections (flips), translations (slides), and dilaions (reductions/enlargements) to figures on the coordinate plan</li> </ul></li></ul>	Approaching	Satisfactory



NC Check-In 2.0 | Math | Grade 8 | B

epartment of RUCTION Student ID: 1234567890 Student Name: SIERRA TEST Process Date: 10/8/2021 School Name: Green Mountain Elementary

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Math Learning Concepts Tested	Progress on Learning Concepts	
Expressions and Equations Students can:		
<ul> <li>Write and solve equations and inequalities with variables (letters that represent unknown amounts) on both sides</li> <li>Recognize when equations have one solution, no solutions, or many solutions</li> </ul>	Approaching	Satisfactory
<ul> <li>Functions</li> <li>Students can: <ul> <li>Identify linear functions (where one x-value matches one y-value to make a straight line) from tables and equations</li> </ul> </li> </ul>	Approaching	Satisfactory
<ul> <li>Functions</li> <li>Students can: <ul> <li>Work with linear functions whose equations are in the form of y = mx + b, where m represents the slope (change over time) of the line and b represents the starting value</li> <li>Given two points, write an equation in the form of y = mx + b</li> <li>Given a graph or table, determine the slope and starting value of a linear relationship</li> </ul> </li> </ul>	Approaching	Satisfactory
<ul> <li>Functions</li> <li>Students can:</li> <li>Describe a graph by identifying where the graph is increasing or decreasing; linear (straight line) or non-linear</li> <li>Sketch a graph to describe a real-world situation</li> </ul>	Approaching	Satisfactory
<ul> <li>Geometry Students can: <ul> <li>Recognize the relationship between the angles inside of a triangle and between the angles created when parallel lines are cut by another line</li> <li>Recognize triangles are similar when two angles are equal</li> <li>Solve problems using angle relationships</li> </ul></li></ul>	Approaching	Satisfactory



NC Check-In 2.0 | Math | Grade 8 | C

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Math Learning Concepts Tested	Progress on Learning Concepts	
Expressions and Equations Students can:		
<ul> <li>Solve a system of two linear equations (equations whose graphs make a straight line) in the form of y = mx + b, including those arising from word problems</li> <li>Understand that the solution to a system of equations is where the two lines intersect</li> </ul>	Approaching	Satisfactory
<ul> <li>Functions</li> <li>Students can: <ul> <li>Compare characteristics of two linear functions if they are given in different ways (equation form, tables, words)</li> </ul> </li> </ul>	Approaching	Satisfactory
Statistics and Probability         Students can:         • Create and interpret a scater plot graph to determine if a relationship exists between x- and y-values	Approaching	Satisfactory
<ul> <li>Statistics and Probability</li> <li>Students can: <ul> <li>Model the relationship between x- and y-values by informally matching a straight line to a scater plot graph</li> </ul> </li> </ul>	Approaching	Satisfactory
<ul> <li>Statistics and Probability</li> <li>Students can: <ul> <li>Use an equation in y = mx + b form to solve problems by interpreting the meaning of m (the slope, or change in values) and b (the y-intercept, or starting point)</li> </ul> </li> </ul>	Approaching	Satisfactory