

LARSON'S Intermediate MATH

correlated to
Georgia's Mathematics Performance Standards
Grades 3-6



Your Georgia Great Source Representative

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CORRELATION TO THE GEORGIA PERFORMANCE STANDARDS

Subject Area: Mathematics

State-Funded Course: 27.01400 Mathematics/Grade 3

Textbook Title: LarsonMath.com: Intermediate

Publisher: Great Source Education Group

Standard (Cite Number)	Standard (Cite specific standard)	Where Taught (If print component, cite page number; if non-print, cite appropriate location.)
M3N	Numbers and Operations: Students will use decimals and common fractions to represent parts of a whole. They will also understand the four arithmetic operations for whole numbers and use them in basic calculations, and apply them in problem-solving situations.	Module: Adding Whole Numbers, All Topics (Grades 3-5) Module: Subtracting Whole Numbers, All Topics (Grades 3-5) Module: Multiplying Whole Numbers, Topics: Multiplying by 0, 1, 2, and 3 (Grades 3 and 4), Multiplying by 5 and 6 (Grades 3 and 4), Multiplying by 7 and 8 (Grades 3 and 4), Multiplying by 9 and 10 (Grades 3 and 4), Multiplying by One-Digit Numbers (Grades 3-5), and Multiplying Three Factors (Grades 4 and 5) Module: Dividing Whole Numbers, Topics: Dividing by 1 and 2 (Grades 3 and 4), Dividing by 3 and 4 (Grades 3 and 4), Dividing by 5 and 6 (Grades 3 and 4), Dividing by 7 and 8 (Grades 3 and 4), and Dividing by 9 and 10 (Grades 3 and 4) Module: Fraction and Number Concepts, Topic: Fractions and Fraction Models (Grades 3 and 4) Module: Decimals, Topic: Decimals Through Hundredths (Grades 3 and 4)
M3N1	Students will further develop their understanding of whole numbers and ways of representing them.	Module: Place Value and Money, Topic: Whole Numbers (Grade 3)
M3N2	Students will further develop their skills of addition and subtraction and apply them in problem solving	Module: Adding Whole Numbers, All Topics (Grades 3-5) Module: Subtracting Whole Numbers, All Topics (Grades 3-5)
M3N3	Students will further develop their understanding of multiplication of whole numbers and develop the ability to apply it in problem solving.	Module: Multiplying Whole Numbers, Topics: Multiplying by 0, 1, 2, and 3 (Grades 3 and 4), Multiplying by 5 and 6 (Grades 3 and 4), Multiplying by 7 and 8 (Grades 3 and 4), Multiplying by 9 and 10 (Grades 3 and 4), Multiplying by One-Digit Numbers (Grades 3-5), and Multiplying Three Factors (Grades 4 and 5)

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M3N4	Students will understand the meaning of division and develop the ability to apply it in problem solving.	Module: Dividing Whole Numbers, Topics: Dividing by 1 and 2 (Grades 3 and 4), Dividing by 3 and 4 (Grades 3 and 4), Dividing by 5 and 6 (Grades 3 and 4), Dividing by 7 and 8 (Grades 3 and 4), and Dividing by 9 and 10 (Grades 3 and 4)
M3N5	Students will understand the meaning of decimals and common fractions in simple cases and apply them in problem-solving situations.	Module: Fraction and Number Concepts, Topic: Fractions and Fraction Models (Grades 3 and 4) Module: Decimals, Topic: Decimals Through Hundredths (Grades 3 and 4)
M3M	Measurement: Students will understand and measure time and length. They will also model and calculate perimeter and area of simple geometric figures.	Module: Time, All Topics (Grades 3 and 4) Module: Customary Units of Measure, Topics: Measuring Length (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4) Module: Metric Units of Measure, Topics: Measuring Length (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4) Module: Basic Geometry, Topics: Perimeter (Grades 3 and 4) and Area (Grades 3 and 4) Module: Advanced Geometry, Topic: Perimeter and Area of a Rectangle (Grades 4-6)
M3M1	Students will further develop their understanding of the concept of time by determining elapsed time of a full, half, and quarter-hour.	Module: Time, Topic: Finding Elapsed Time (Grades 3 and 4)
M3M2	Students will measure length choosing appropriate units and tools.	Module: Customary Units of Measure, Topics: Measuring Length (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4) Module: Metric Units of Measure, Topics: Measuring Length (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4)
M3M3	Students will understand and measure the perimeter of simple geometric figures (squares and rectangles).	Module: Basic Geometry, Topic: Perimeter (Grades 3 and 4) Module: Advanced Geometry, Topic: Perimeter and Area of a Rectangle (Grades 4-6)
M3M4	Students will understand and measure the area of simple geometric figures (squares and rectangles).	Module: Basic Geometry, Topic: Area (Grades 3 and 4) Module: Advanced Geometry, Topic: Perimeter and Area of a Rectangle (Grades 4-6)

<u>Standard</u> (Cite Number)	<u>Standard</u> (Cite specific standard)	<u>Where Taught</u> (If print component, cite page number; if non-print, cite appropriate location.)
M3G	<u>Geometry:</u> Students will further develop their understanding of characteristics of previously studied geometric figures.	Module: Basic Geometry, Topics: Classifying Plane Figures (Grades 3-6), Classifying Triangles (Grades 5 and 6), Classifying Quadrilaterals (Grades 5 and 6), and Circles (Grades 4 and 5)
M3G1	Students will further develop their understanding of geometric figures by drawing them. They will also state and explain their properties.	Module: Basic Geometry, Topics: Classifying Plane Figures (Grades 3-6), Classifying Triangles (Grades 5 and 6), Classifying Quadrilaterals (Grades 5 and 6), and Circles (Grades 4 and 5)
M3A	<u>Algebra:</u> Students will understand how to express relationships as mathematical expressions.	Module: Adding Whole Numbers, Topics: Adding Two-Digit Numbers (Grades 3-5) and Properties of Addition (Grade 5) Module: Subtracting Whole Numbers, Topic: Addition and Subtraction Fact Families (Grades 3 and 4) Module: Multiplying Whole Numbers, Topics: Multiplying by 0, 1, 2, 3, and 4 (Grades 3 and 4) and Multiplying by 5 and 6 (Grades 3 and 4) Module: Dividing Whole Numbers, Topics: Dividing by 1 and 2 (Grades 3 and 4), Dividing by 5 and 6 (Grades 3 and 4), Dividing by 7 and 8 (Grades 3 and 4), and Dividing by 9 and 10 Grades 3 and 4) Module: Advanced Geometry, Topic: Perimeter and Area of a Rectangle (Grades 4-6)
M3A1	Students will use mathematical expressions to represent relationships between quantities and interpret given expressions.	Module: Adding Whole Numbers, Topics: Adding Two-Digit Numbers (Grades 3-5) and Properties of Addition (Grade 5) Module: Subtracting Whole Numbers, Topic: Addition and Subtraction Fact Families (Grades 3 and 4) Module: Multiplying Whole Numbers, Topics: Multiplying by 0, 1, 2, 3, and 4 (Grades 3 and 4) and Multiplying by 5 and 6 (Grades 3 and 4) Module: Dividing Whole Numbers, Topics: Dividing by 1 and 2 (Grades 3 and 4), Dividing by 5 and 6 (Grades 3 and 4), Dividing by 7 and 8 (Grades 3 and 4), and Dividing by 9 and 10 Grades 3 and 4) Module: Advanced Geometry, Topic: Perimeter and Area of a Rectangle (Grades 4-6)
M3D	<u>Data Analysis:</u> Students will gather, organize, and display data and interpret graphs.	Module: Statistics and Probability, Topics: Collecting and Organizing Data (Grades 3-6), Bar Graphs (Grades 3 and 4), Pictographs (Grades 3-6), and Graphing Ordered Pairs (Grades 3-5)

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M3D1	Students will create and interpret simple tables and graphs.	Module: Statistics and Probability, Topics: Collecting and Organizing Data (Grades 3-6) and Bar Graphs (Grades 3 and 4)
M3P	<u>Process Skills:</u> Students will apply mathematical concepts and skills in the context of authentic problems and will understand concepts rather than merely following a sequence of procedures. The students will use the process standards as a way of acquiring and using content knowledge.	All modules and topics (Grades 3-6)
M3P1	Students will solve problems that arise in mathematics and in other contexts.	All modules and topics (Grades 3-6)
M3P2	Students will investigate, develop, and evaluate mathematical arguments.	All modules and topics (Grades 3-6)
M3P3	Students will use the language of mathematics to express ideas precisely.	All modules and topics (Grades 3-6)
M3P4	Students will understand how mathematical ideas interconnect and build on one another and will apply mathematics in other content areas.	All modules and topics (Grades 3-6)
M3P5	Students will create and use pictures, manipulatives, models, and symbols to organize, record, and communicate mathematical ideas.	All modules and topics (Grades 3-6)

CORRELATION TO THE GEORGIA PERFORMANCE STANDARDS

Subject Area: Mathematics

State-Funded Course: 27.01500 Mathematics/Grade 4

Textbook Title: LarsonMath.com: Intermediate

Publisher: Great Source Education Group

Standard (Cite Number)	Standard (Cite specific standard)	Where Taught (If print component, cite page number; if non-print, cite appropriate location.)
M4N	Numbers and Operations: Students will further develop their understanding of whole numbers and master the four basic operations with whole numbers by solving problems. They will also understand rounding and when to use it appropriately. Students will add and subtract decimals and common fractions with common denominators.	Module: Place Value and Money, All Topics (Grades 3-5) Module: Adding Whole Numbers, All Topics (Grades 3-5) Module: Subtracting Whole Numbers, All Topics (Grades 3-5) Module: Multiplying Whole Numbers, All Topics (Grades 3-5) Module: Dividing Whole Numbers, All Topics (Grades 3-6) Module: Adding Fractions, Topics: Adding Fractions Using Models (Grade 4) and Adding Fractions with Like Denominators (Grades 4-6) Module: Subtracting Fractions, Topics: Subtracting Fractions Using Models (Grade 4) and Subtracting Fractions with Like Denominators (Grades 4-6) Module: Adding and Subtracting Decimals, All Topics (Grades 4-6)
M4N1	Students will further develop their understanding of how whole numbers are represented in the base-ten numeration system.	Module: Place Value and Money, Topic: Whole Numbers (Grade 3) Module: Decimals, Topic: Decimals Through Hundredths (Grades 3 and 4)
M4N2	Students will understand and apply the concept of rounding numbers.	Module: Rounding Whole Numbers, Topic: Rounding Whole Numbers (Grade 3) Module: Adding Whole Numbers, Topics: Adding Two-Digit Numbers (Grades 3-5) and Adding Greater Numbers (Grades 4 and 5)
M4N3	Students will solve problems involving multiplication of 2-3 digit numbers by 1-2 digit numbers.	Module: Subtracting Whole Numbers, Topics: Subtracting One- and Two-Digit Numbers (Grades 3 and 4), Subtracting Across Zeros (Grades 3-5), and Adding and Subtracting Money (Grades 3-5) Module: Decimals, Topic: Rounding Decimals Through Hundredths (Grades 3 and 4) Module: Adding and Subtracting Decimals, Topics: Adding More Than Two Decimals (Grades 4 and 5) and Subtracting Decimals (Regrouping) (Grades 4 and 5)

Standard (Cite Number)	Standard (Cite specific standard)	Where Taught (If print component, cite page number; if non-print, cite appropriate location.)
M4N4	Students will further develop their understanding of division of whole numbers and divide in problem-solving situations without calculators.	Module: Multiplying Whole Numbers, Topics: Multiplying by 0, 1, 2, and 3 (Grades 3 and 4), Multiplying by 5 and 6 (Grades 3 and 4), Multiplying by 7 and 8 (Grades 3 and 4), Multiplying by 9 and 10 (Grades 3 and 4), Multiplying by One-Digit Numbers (Grades 3-5), and Multiplying by Two-Digit Numbers (Grades 4 and 5)
M4N5	Students will further develop their understanding of the meaning of decimals and use them in computations.	<p>Module: Decimals, Topics: Decimals Through Hundredths (Grades 3 and 4), Decimals Through Thousandths (Grades 5 and 6), Comparing and Ordering Decimals Through Hundredths (Grades 3 and 4), and Comparing and Ordering Decimals Through Thousandths (Grades 5 and 6)</p> <p>Module: Adding and Subtracting Decimals, Topics: Adding Decimals Through Hundredths (Grade 4), Adding Decimals (Adding Zeros) (Grades 4 and 5), Adding More Than Two Decimals (Grades 4 and 5), Subtracting Decimals Through Hundredths (Grade 4), and Subtracting Decimals (Regrouping) (Grades 4 and 5)</p> <p>Module: Multiplying Decimals, Topics: Multiplying Decimals by 10, 100, and 1,000 (Grades 5 and 6) and Multiplying Decimals by Whole Numbers (Grades 5 and 6)</p> <p>Module: Dividing Decimals, Topics: Dividing Decimals by 10, 100, and 1,000 (Grades 5 and 6), Dividing Decimals by Whole Numbers (Grade 5), and More on Dividing Decimals by Whole Numbers (Grade 6)</p>
M4N6	Students will further develop their understanding of the meaning of common fractions and use them in computations.	<p>Module: Fraction and Number Concepts, Topic: Fractions and Fraction Models (Grades 3 and 4), Equivalent Fractions (Grades 3 and 4), Simplest Form (Grades 3-6), and Mixed Numbers and Improper Fractions (Grades 3-6)</p> <p>Module: Adding Fractions, Topics: Adding Fractions Using Models (Grade 4), Adding Fractions with Like Denominators (Grades 4-6), and Adding Mixed Numbers with Like Denominators (Grades 4-6)</p> <p>Module: Subtracting Fractions, Topics: Subtracting Fractions Using Models (Grade 4), Subtracting Fractions with Like Denominators (Grades 4-6), and Subtracting Mixed Numbers with Like Denominators (Grades 4-6)</p>

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M4N7	Students will explain and use properties of the four arithmetic operations to solve and check problems.	<p>Module: Adding Whole Numbers, All Topics (Grades 3-5) Module: Subtracting Whole Numbers, All Topics (Grades 3-5) Module: Multiplying Whole Numbers, All Topics (Grades 3-5) Module: Dividing Whole Numbers, All Topics (Grades 3-6) Module: Adding Fractions, Topics: Adding Fractions Using Models (Grade 4), Adding Fractions with Like Denominators (Grades 4-6), and Adding Mixed Numbers with Like Denominators (Grades 4-6) Module: Subtracting Fractions, Topics: Subtracting Fractions Using Models (Grade 4), Subtracting Fractions with Like Denominators (Grades 4-6), and Subtracting Mixed Numbers with Like Denominators (Grades 4-6) Module: Adding and Subtracting Decimals, Topics: Adding Decimals Through Hundredths (Grade 4), Adding Decimals (Adding Zeros) (Grades 4 and 5), Adding More Than Two Decimals (Grades 4 and 5), Subtracting Decimals Through Hundredths (Grade 4), and Subtracting Decimals (Regrouping) (Grades 4 and 5) Module: Multiplying Decimals, Topics: Multiplying Decimals by 10, 100, and 1,000 (Grades 5 and 6) and Multiplying Decimals by Whole Numbers (Grades 5 and 6) Module: Dividing Decimals, Topics: Dividing Decimals by 10, 100, and 1,000 (Grades 5 and 6), Dividing Decimals by Whole Numbers (Grade 5), and More on Dividing Decimals by Whole Numbers (Grade 6)</p>
M4M	<u>Measurement:</u> Students will measure weight in appropriate metric and standard units. They will also measure angles.	<p>Module: Customary Units of Measure, Topics: Measuring Weight (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4) Module: Metric Units of Measure, Topics: Measuring Mass (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4) Module: Advanced Geometry, Topic: Classifying Angles (Grades 3-6)</p>
M4M1	Students will understand the concept of weight and how to measure weight.	<p>Module: Customary Units of Measure, Topics: Measuring Weight (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4) Module: Metric Units of Measure, Topics: Measuring Mass (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4)</p>
M4M2	Students will understand the concept of angle and how to measure angles.	Module: Advanced Geometry, Topic: Classifying Angles (Grades 3-6)

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M4G	<u>Geometry:</u> Students will understand and construct plane and solid geometric figures. They will also graph points on the coordinate plane.	Module: Basic Geometry, Topics: Classifying Plane Figures (Grades 3-6), Classifying Solids (Grades 3-5), Classifying Triangles (Grades 5 and 6), Classifying Quadrilaterals (Grades 5 and 6), and Circles (Grades 4 and 5) Module: Statistics and Probability, Topic: Graphing Ordered Pairs (Grades 3-5)
M4G1	Students will define and identify the characteristics of geometric figures through examination and construction.	Module: Basic Geometry, Topics: Classifying Plane Figures (Grades 3-6), Classifying Solids (Grades 3-5), Classifying Triangles (Grades 5 and 6), and Classifying Quadrilaterals (Grades 5 and 6) Module: Advanced Geometry, Topic: Parallel, Perpendicular, and Intersecting Lines (Grades 4-6)
M4G2	Students will understand fundamental solid figures.	Module: Basic Geometry, Topic: Classifying Solids (Grades 3-5) Module: Advanced Geometry, Topic: Parallel, Perpendicular, and Intersecting Lines (Grades 4-6)
M4G3	Students will use the coordinate system.	Module: Statistics and Probability, Topic: Graphing Ordered Pairs (Grades 3-5)
M4A	<u>Algebra:</u> Students will investigate and represent mathematical relationships between quantities using mathematical expressions in problem-solving situations.	Module: Adding Whole Numbers, Topics: Adding Two-Digit Numbers (Grades 3-5) and Properties of Addition (Grade 5) Module: Subtracting Whole Numbers, Topic: Addition and Subtraction Fact Families (Grades 3 and 4) Module: Multiplying Whole Numbers, Topics: Multiplying by 0, 1, 2, 3, and 4 (Grades 3 and 4) and Multiplying by 5 and 6 (Grades 3 and 4) Module: Dividing Whole Numbers, Topics: Dividing by 1 and 2 (Grades 3 and 4), Dividing by 5 and 6 (Grades 3 and 4), Dividing by 7 and 8 (Grades 3 and 4), and Dividing by 9 and 10 (Grades 3 and 4) Module: Advanced Geometry, Topic: Perimeter and Area of a Rectangle (Grades 4-6), Area of a Triangle (Grades 5 and 6), Circumference and Area of a Circle (Grade 6), and Volume of a Rectangular Prism (Grades 5 and 6)

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M4A1	Students will represent and interpret mathematical relationships in quantitative expressions.	<p>Module: Adding Whole Numbers, Topics: Adding Two-Digit Numbers (Grades 3-5) and Properties of Addition (Grade 5)</p> <p>Module: Subtracting Whole Numbers, Topic: Addition and Subtraction Fact Families (Grades 3 and 4)</p> <p>Module: Multiplying Whole Numbers, Topics: Multiplying by 0, 1, 2, 3, and 4 (Grades 3 and 4) and Multiplying by 5 and 6 (Grades 3 and 4)</p> <p>Module: Dividing Whole Numbers, Topics: Dividing by 1 and 2 (Grades 3 and 4), Dividing by 5 and 6 (Grades 3 and 4), Dividing by 7 and 8 (Grades 3 and 4), and Dividing by 9 and 10 (Grades 3 and 4)</p> <p>Module: Advanced Geometry, Topic: Perimeter and Area of a Rectangle (Grades 4-6), Area of a Triangle (Grades 5 and 6), Circumference and Area of a Circle (Grade 6), and Volume of a Rectangular Prism (Grades 5 and 6)</p>
M4D	<u>Data Analysis:</u> Students will gather, organize, and display data. They will also compare features of graphs.	Module: Statistics and Probability, Topics: Collecting and Organizing Data (Grades 3-6), Bar Graphs (Grades 3 and 4), Pictographs (Grades 3-6), Graphing Ordered Pairs (Grades 3-5), and Line Graphs (Grades 4-6)
M4D1	Students will gather, organize, and display data according to the situation and will compare related features.	Module: Statistics and Probability, Topics: Collecting and Organizing Data (Grades 3-6), Bar Graphs (Grades 3 and 4), Pictographs (Grades 3-6), Graphing Ordered Pairs (Grades 3-5), and Line Graphs (Grades 4-6)
M4P	<u>Process Skills:</u> Students will apply mathematical concepts and skills in the context of authentic problems and will understand concepts rather than merely following a sequence of procedures. Students will use the process standards as a way of acquiring and using content knowledge.	All modules and topics (Grades 3-6)

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M4P1	Using the appropriate technology, students will solve problems that arise in mathematics and in other contexts.	All modules and topics (Grades 3-6)
M4P2	Students will investigate, develop, and evaluate mathematical arguments.	All modules and topics (Grades 3-6)
M4P3	Students will use the language of mathematics to express ideas precisely.	All modules and topics (Grades 3-6)
M4P4	Students will understand how mathematical ideas interconnect and build on one another and will apply mathematics in other content areas.	All modules and topics (Grades 3-6)
M4P5	Students will create and use pictures, manipulatives, models, and symbols to organize, record, and communicate mathematical ideas.	All modules and topics (Grades 3-6)

CORRELATION TO THE GEORGIA PERFORMANCE STANDARDS

Subject Area: Mathematics

State-Funded Course: 27.01600 Mathematics/Grade 5

Textbook Title: LarsonMath.com: Intermediate

Publisher: Great Source Education Group

Standard (Cite Number)	Standard (Cite specific standard)	Where Taught (If print component, cite page number; if non-print, cite appropriate location.)
M5N	Numbers and Operations: Students will further develop their understanding of the concept of whole numbers. They will also understand the meanings of multiplication and division of decimals and use decimals and common fractions in computation as well as in problem-solving situations.	Module: Place Value and Money, All Topics (Grades 3-5) Module: Adding Whole Numbers, All Topics (Grades 3-5) Module: Subtracting Whole Numbers, All Topics (Grades 3-5) Module: Multiplying Whole Numbers, All Topics (Grades 3-5) Module: Dividing Whole Numbers, All Topics (Grades 3-6) Module: Fraction and Number Concepts, All Topics (Grades 3-6) Module: Adding Fractions, All Topics (Grades 4-6) Module: Subtracting Fractions, All Topics (Grades 4-6) Module: Multiplying Fractions, All Topics (Grades 5 and 6) Module: Dividing Fractions, All Topics (Grade 6) Module: Multiplying Decimals, All Topics (Grades 5 and 6) Module: Dividing Decimals, All Topics (Grades 5 and 6)
M5N1	Students will further develop their understanding of whole numbers.	Module: Dividing Whole Numbers, Topic: Divisibility Rules (Grades 5 and 6) Module: Fraction and Number Concepts, Topic: Prime and Composite Numbers (Grades 5 and 6)
M5N2	Students will further develop their understanding of decimals as part of the base-ten number system.	Module: Decimals, Topics: Decimals Through Hundredths (Grades 3 and 4) and Decimals Through Thousandths (Grades 5 and 6) Module: Multiplying Decimals, Topic: Multiplying Decimals by 10, 100, and 1,000 (Grades 5 and 6)
M5N3	Students will further develop their understanding of the meaning of multiplication and division with decimals and use them.	Module: Multiplying Decimals, All Topics (Grades 5 and 6) Module: Dividing Decimals, All Topics (Grades 5 and 6)

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M5N4	Students will continue to develop their understanding of the meaning of common fractions and will compute with them.	Module: Fraction and Number Concepts, All Topics (Grades 3-6) Module: Adding Fractions, All Topics (Grades 4-6) Module: Subtracting Fractions, All Topics (Grades 4-6) Module: Multiplying Fractions, All Topics (Grades 5 and 6) Module: Dividing Fractions, All Topics (Grade 6) Module: Decimals, Topics: Relating Fractions and Decimals (Grades 3-6) and Relating Mixed Numbers and Decimals (Grades 3-6)
M5N5	Students will understand the meaning of percentage.	Module: Percents, Topics: Percents (Grades 5 and 6), Relating Fractions, Decimals, and Percents (Grades 5 and 6), and Percents Greater Than 100% (Grades 5 and 6)
M5M	<u>Measurement:</u> Students will compute the area of geometric plane figures. They will also understand the concept of volume and compute the volume of simple geometric solids and measure capacity. Students will convert from one unit to another within one system of measurement.	Module: Customary Units of Measure, Topics: Measuring Capacity (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4) Module: Metric Units of Measure, Topics: Measuring Capacity (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4) Module: Basic Geometry, Topic: Area (Grades 3 and 4) Module: Advanced Geometry, Topics: Perimeter and Area of a Rectangle (Grades 4-6), Area of a Triangle (Grades 5 and 6), Circumference and Area of a Circle (Grade 6), and Volume of a Rectangular Prism (Grades 5 and 6)
M5M1	Students will extend their understanding of area of fundamental geometric plane figures.	Module: Basic Geometry, Topic: Area (Grades 3 and 4) Module: Advanced Geometry, Topics: Perimeter and Area of a Rectangle (Grades 4-6), Area of a Triangle (Grades 5 and 6), and Circumference and Area of a Circle (Grade 6)
M5M3	Students will measure capacity with appropriately chosen units and tools.	Module: Customary Units of Measure, Topics: Measuring Capacity (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4) Module: Metric Units of Measure, Topics: Measuring Capacity (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4)
M5M4	Students will understand and compute the volume of a simple geometric solid.	Module: Advanced Geometry, Topic: Volume of a Rectangular Prism (Grades 5 and 6)

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M5G	<u>Geometry:</u> Students will further develop their understanding of geometric figures.	Module: Basic Geometry, Topics: Classifying Plane Figures (Grades 3-6), Classifying Solids (Grades 3-5), Slides, Flips, and Turns (Grades 3-6), Classifying Triangles (Grades 5 and 6), Classifying Quadrilaterals (Grades 5 and 6), and Circles (Grades 4 and 5) Module: Advanced Geometry, Topics: Points, Lines, Segments and Rays (Grades 3-6), Congruency (Grades 3-5), Classifying Angles (Grades 3-6), and Parallel, Perpendicular, and Intersecting Lines (Grades 4-6)
M5G1	Students will understand congruence of geometric figures and the correspondence of their vertices, sides, and angles.	Module: Advanced Geometry, Topic: Congruency (Grades 3-5)
M5G2	Students will understand the relationship of the circumference of a circle, its diameter, and pi ($\pi \approx 3.14$).	Module: Advanced Geometry, Topic: Circumference and Area of a Circle (Grade 6)
M5A	<u>Algebra:</u> Students will represent and investigate mathematical expressions algebraically by using variables.	Module: Advanced Geometry, Topic: Perimeter and Area of a Rectangle (Grades 4-6), Area of a Triangle (Grades 5 and 6), Circumference and Area of a Circle (Grade 6), and Volume of a Rectangular Prism (Grades 5 and 6) Module: Algebra, Topics: Variables and Expressions (Grade 6) and Evaluating Expressions (Grade 6)
M5A1	Students will represent and interpret the relationships between quantities algebraically.	Module: Advanced Geometry, Topics: Perimeter and Area of a Rectangle (Grades 4-6), Area of a Triangle (Grades 5 and 6), Circumference and Area of a Circle (Grade 6), and Volume of a Rectangular Prism (Grades 5 and 6) Module: Algebra, Topics: Variables and Expressions (Grade 6) and Evaluating Expressions (Grade 6)
M5D	<u>Data Analysis:</u> Students will gather, organize, and display data and will interpret graphs.	Module: Statistics and Probability, Topics: Collecting and Organizing Data (Grades 3-6), Bar Graphs (Grades 3 and 4), Pictographs (Grades 3-6), Graphing Ordered Pairs (Grades 3-5), Line Graphs (Grades 4-6), and Stem-and-Leaf Plots (Grades 4-6)
M5D1	Students will analyze graphs.	Module: Statistics and Probability, Topics: Collecting and Organizing Data (Grades 3-6), Bar Graphs (Grades 3 and 4), Pictographs (Grades 3-6), Graphing Ordered Pairs (Grades 3-5), Line Graphs (Grades 4-6), and Stem-and-Leaf Plots (Grades 4-6)

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M5D2	Students will collect, organize, and display data using the most appropriate graph.	Module: Statistics and Probability, Topics: Collecting and Organizing Data (Grades 3-6), Bar Graphs (Grades 3 and 4), Pictographs (Grades 3-6), Graphing Ordered Pairs (Grades 3-5), Line Graphs (Grades 4-6), and Stem-and-Leaf Plots (Grades 4-6)
M5P	Process Skills: Students will apply mathematical concepts and skills in the context of authentic problems and will understand concepts rather than merely following a sequence of procedures. Students will use the process standards as a way of acquiring and using content knowledge.	All modules and topics (Grades 3-6)
M5P1	Using the appropriate technology, students will solve problems that arise in mathematics and in other contexts.	All modules and topics (Grades 3-6)
M5P2	Students will investigate, develop, and evaluate mathematical arguments.	All modules and topics (Grades 3-6)
M5P3	Students will use the language of mathematics to express ideas precisely.	All modules and topics (Grades 3-6)
M5P4	Students will understand how mathematical ideas interconnect and build on one another and will apply mathematics in other content areas.	All modules and topics (Grades 3-6)
M5P5	Students will create and use pictures, manipulatives, models, and symbols to organize, record, and communicate mathematical ideas.	All modules and topics (Grades 3-6)

CORRELATION TO THE GEORGIA PERFORMANCE STANDARDS

Subject Area: Mathematics

State-Funded Course: 27.02100 Mathematics/Grade 6

Textbook Title: LarsonMath.com: Intermediate

Publisher: Great Source Education Group

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M6N	<u>Numbers and Operations:</u> Students will understand the meaning of the four arithmetic operations as they relate to positive rational numbers and will apply these concepts and associated skills in real world situations.	Module: Adding Whole Numbers, All Topics (Grades 3-5) Module: Subtracting Whole Numbers, All Topics (Grades 3-5) Module: Multiplying Whole Numbers, All Topics (Grades 3-5) Module: Dividing Whole Numbers, All Topics (Grades 3-6) Module: Fraction and Number Concepts, Topics: Exponents (Grade 6), Greatest Common Factors (Grades 5 and 6), Least Common Multiples (Grades 5 and 6), and Least Common Denominators (Grades 5 and 6) Module: Adding Fractions, All Topics (Grades 4-6) Module: Subtracting Fractions, All Topics (Grades 4-6) Module: Multiplying Fractions, All Topics (Grades 5 and 6) Module: Dividing Fractions, All Topics (Grade 6) Module: Adding and Subtracting Decimals, All Topics (Grades 4-6) Module: Multiplying Decimals, All Topics (Grades 5 and 6) Module: Dividing Decimals, All Topics (Grades 5 and 6) Module: Percents, All Topics (Grades 5 and 6)

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M6N1	Students will understand the meaning of the four arithmetic operations as related to positive rational numbers and will use these concepts to solve problems.	Module: Adding Whole Numbers, All Topics (Grades 3-5) Module: Subtracting Whole Numbers, All Topics (Grades 3-5) Module: Multiplying Whole Numbers, All Topics (Grades 3-5) Module: Dividing Whole Numbers, All Topics (Grades 3-6) Module: Fraction and Number Concepts, Topics: Exponents (Grade 6), Greatest Common Factors (Grades 5 and 6), Least Common Multiples (Grades 5 and 6), and Least Common Denominators (Grades 5 and 6) Module: Adding Fractions, All Topics (Grades 4-6) Module: Subtracting Fractions, All Topics (Grades 4-6) Module: Multiplying Fractions, All Topics (Grades 5 and 6) Module: Dividing Fractions, All Topics (Grade 6) Module: Adding and Subtracting Decimals, All Topics (Grades 4-6) Module: Multiplying Decimals, All Topics (Grades 5 and 6) Module: Dividing Decimals, All Topics (Grades 5 and 6) Module: Percents, All Topics (Grades 5 and 6)
M6M	<u>Measurement:</u> Students will understand how to determine the volume and surface area of solid figures. They will understand and use the customary and metric systems of measurement to measure quantities efficiently and to represent volume and surface area appropriately.	Module: Customary Units of Measure, All Topics (Grades 3 and 4) Module: Metric Units of Measure, All Topics (Grades 3 and 4) Module: Basic Geometry, Topic: Area (Grades 3 and 4) Module: Advanced Geometry, Topics: Perimeter and Area of a Rectangle (Grades 4-6), Area of a Triangle (Grades 5 and 6), Circumference and Area of a Circle (Grade 6), and Volume of a Rectangular Prism (Grades 5 and 6)
M6M1	Students will convert from one unit to another within one system of measurement (customary or metric) by using proportional relationships.	Module: Customary Units of Measure, All Topics (Grades 3 and 4) Module: Metric Units of Measure, All Topics (Grades 3 and 4) Module: Ratios and Proportions, Topics: Solving Proportions Using Models (Grade 6), Solving Proportions Using Equivalent Ratios (Grade 6), and Solving Proportions Using Cross Products (Grade 6)

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M6M2	Students will use appropriate units of measure for finding length, perimeter, area, and volume and will express each quantity using the appropriate unit.	Module: Customary Units of Measure, Topics: Measuring Length (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4) Module: Metric Units of Measure, Topics: Measuring Length (Grades 3 and 4) and Choosing Appropriate Units of Measure (Grades 3 and 4) Module: Basic Geometry, Topic: Area (Grades 3 and 4) Module: Advanced Geometry, Topics: Perimeter and Area of a Rectangle (Grades 4-6), Area of a Triangle (Grades 5 and 6), Circumference and Area of a Circle (Grade 6), and Volume of a Rectangular Prism (Grades 5 and 6)
M6M3	Students will determine the volume of fundamental solid figures (right rectangular prisms, cylinders, pyramids, and cones).	Module: Advanced Geometry, Topic: Volume of a Rectangular Prism (Grades 5 and 6)
M6M4	Students will determine the surface area of solid figures (right rectangular prisms and cylinders).	Module: Advanced Geometry, Topics: Perimeter and Area of a Rectangle (Grades 4-6), Area of a Triangle (Grades 5 and 6), and Circumference and Area of a Circle (Grade 6)
M6G	<u>Geometry:</u> Students will further develop their understanding of plane and solid geometric figures, incorporating the use of appropriate technology and using this knowledge to solve authentic problems.	Module: Basic Geometry, Topics: Classifying Plane Figures (Grades 3-6), Classifying Solids (Grades 3-5), Slides, Flips, and Turns (Grades 3-6), Classifying Triangles (Grades 5 and 6), Classifying Quadrilaterals (Grades 5 and 6), and Circles (Grades 4 and 5) Module: Advanced Geometry, Topics: Points, Lines, Segments and Rays (Grades 3-6), Similarity (Grades 3-5), Symmetry (Grades 3, 4, and 6), Classifying Angles (Grades 3-6), and Parallel, Perpendicular, and Intersecting Lines (Grades 4-6)
M6G1	Students will further develop their understanding of plane figures.	Module: Basic Geometry, Topic: Slides, Flips, and Turns (Grades 3-6) Module: Advanced Geometry, Topics: Similarity (Grades 3-5) and Symmetry (Grades 3, 4, and 6) Module: Ratios and Proportions, Topics: Solving Proportions Using Models (Grade 6), Solving Proportions Using Equivalent Ratios (Grade 6), and Solving Proportions Using Cross Products (Grade 6)
M6G2	Students will further develop their understanding of solid figures.	Module: Basic Geometry, Topic: Classifying Solids (Grades 3-5)

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M6A	<u>Algebra:</u> Students will investigate relationships between two quantities. They will write and solve proportions and simple one-step equations that result from problem situations.	Module: Ratios and Proportions, All Topics (Grades 5 and 6) Module: Algebra, All Topics (Grade 6)
M6A1	Students will understand the concept of ratio and use it to represent quantitative relationships.	Module: Ratios and Proportions, Topics: Ratios (Grades 5 and 6) and Equivalent Ratios (Grades 5 and 6)
M6A2	Students will consider relationships between varying quantities.	Module: Ratios and Proportions, All Topics (Grades 5 and 6)
M6A3	Students will evaluate algebraic expressions, including those with exponents, and solve simple one-step equations using each of the four basic operations.	Module: Algebra, All Topics (Grade 6)
M6D	<u>Data Analysis and Probability:</u> Students will demonstrate understanding of data analysis by posing questions to be answered by collecting data. They will represent, investigate, and use data to answer those questions. Students will understand experimental and theoretical probability.	Module: Statistics and Probability, All Topics (Grades 3-6)
M6D1	Students will pose questions, collect data, represent and analyze the data, and interpret results.	Module: Statistics and Probability, Topics: Collecting and Organizing Data (Grades 3-6), Bar Graphs (Grades 3 and 4), Pictographs (Grades 3-6), Graphing Ordered Pairs (Grades 3-5), Line Graphs (Grades 4-6), Stem-and-Leaf Plots (Grades 4-6), and Mean, Median, Mode, and Range (Grades 4-6)

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M6D2	Students will use experimental and simple theoretical probability and will understand the nature of sampling. They will also make predictions from investigations.	Module: Statistics and Probability, Topics: Probability (Grades 3-5), Probability of Simple Events (Grades 5 and 6), Sample Spaces (Grades 5 and 6), and Experimental Probability (Grades 5 and 6)
M6P	<u>Process Standards:</u> Each topic studied in this course should be developed with careful thought toward helping every student achieve the following process standards.	All modules and topics (Grades 3-6)
M6P1	Students will solve problems (using appropriate technology).	All modules and topics (Grades 3-6)
M6P2	Students will reason and evaluate mathematical arguments.	All modules and topics (Grades 3-6)
M6P3	Students will communicate mathematically.	All modules and topics (Grades 3-6)
M6P4	Students will make connections among mathematical ideas and to other disciplines.	All modules and topics (Grades 3-6)
M6P5	Students will represent mathematics in multiple ways.	All modules and topics (Grades 3-6)



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