

Every Day Counts[®] Algebra Readiness © 2006

**correlated to
Georgia's Mathematics Performance Standards**

Grade 6



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FORMAT FOR CORRELATION TO THE GEORGIA PERFORMANCE STANDARDS

Subject Area: Mathematics

State-Funded Course: 27.02100 Mathematics / Grade 6

Textbook Title: Every Day Counts: Algebra Readiness

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The Georgia Performance Standards for grades K-8 Mathematics may be accessed on-line at: <http://www.georgiastandards.org/>.

<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.)
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.	
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.	TE pgs. 24, 26, 28, 35, 40, 41, 42, 47, 52, 55, 64, 71, 72, 80, 88, 91, 98, 109, 120, 125, 166
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.	
M6M1	Students will convert from one unit to another within one system of measurement by using proportional relationships.	TE pg. 166

M6M2	Students will use appropriate units of measure for finding length, perimeter, area, and volume and will express each quantity using the appropriate unit.	TE pgs. 30, 43, 60, 114, 135, 137, 146
M6M3	Students will determine the volume of fundamental solid figures.	TE pgs. 117, 172
M6M4	Students will determine the surface area of solid figures.	TE pg. 186
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.	
M6G1	Students will further develop their understanding of plane figures.	TE pgs. 50, 68, 86, 106, 110, 128, 135
M6G2	Students will further develop their understanding of solid figures.	TE pgs. 150, 172, 186
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.	
M6A1	Students will understand the concept of ratio and use it to represent quantitative relationships.	TE pg. 186
M6A2	Students will consider relationships between varying quantities.	TE pgs. 33, 33, 43, 45, 57, 60, 63, 72, 75, 78, 93, 96, 117, 122, 135, 137, 142, 162, 166, 177, 182

M6A3	Students will evaluate algebraic expressions, including those with exponents, and solve simple one-step equations using each of the four basic operations.	TE pgs. 33, 45, 63, 78, 96, 117, 140, 164, 181
M6D	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.	
M6D1	Students will pose questions, collect data, represent and analyze the data, and interpret results.	TE pgs. 81, 98, 101, 122, 142, 182
M6D2	Students will use experimental and simple theoretical probability and will understand the nature of sampling. They will also make predictions from investigations.	TE pgs. 159, 175
M6P	<u>Process Skills:</u> The following process standards are essential to mastering each of the mathematics content standards. They emphasize critical dimensions of the mathematical proficiency that all students need.	
M6P1	Students will solve problems. (using appropriate technology)	TE pgs. 47, 64, 80, 81, 91, 94, 98, 109, 114, 120, 131, 154, 162, 166
M6P2	Students will reason and evaluate mathematical arguments.	TE pgs. 50, 64, 74, 75, 98, 110, 131, 150, 159
M6P3	Students will communicate mathematically.	TE pgs. 30, 35, 42, 43, 45, 72, 74, 75, 81, 86, 88, 91, 109, 114, 117, 120, 125, 131, 135, 137, 140, 146, 159, 162, 164, 166, 175, 181, 182, 186

M6P4	Students will make connections among mathematical ideas and to other disciplines.	TE pgs. 40, 41, 63, 78, 81, 94, 96, 98, 114, 117, 137, 140, 164, 181
M6P5	Students will represent mathematics in multiple ways.	TE pgs. 45, 60, 74, 114, 128



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