

Florida Department of Education 1996 Sunshine State Standards Grade 3
 Correlated to Northpoint Horizons' *Math Elevations*TM
 September 2008

This document provides a sampling of the extensive math directives offered throughout the *Math Elevations* program that meet the Florida Sunshine State Standards.

1996 Sunshine State Standards Grades 3-5	<i>Math Elevations</i> Level C Lesson Number / Page Numbers
Number Sense, Concepts, and Operations	
Standard 1: The student understands the different ways numbers are represented and used in the real world. (MA.A.1.2)	
1. Names whole numbers combining three-digit numeration (hundreds, tens, ones) and the use of number periods, such as ones, thousands, and millions and associates verbal names, written word names, and standard numerals with whole numbers, commonly used fractions, decimals, and percents.	1.8 Reading and Writing Numbers Through 999,999 pp. 32-33
2. Understands the relative size of whole numbers, commonly used fractions, decimals, and percents.	1.2 Comparing and Ordering Numbers pp. 20-21 1.7 Comparing Fractions pp. 30-31
3. Understands concrete and symbolic representations of whole numbers, fractions, decimals, and percents in real-world situations.	1.1 Four-Digit Numbers pp. 18-19 1.5 Fractions as Part of a Whole pp. 26-27 1.6 Fractions as Part of a Set pp. 28-29 1.8 Reading and Writing Numbers Through 999,999 pp. 32-33
Standard 2: The student understands number systems. (MA.A.2.2)	
1. Uses place-value concepts of grouping based upon powers of ten (thousandths, hundredths, tenths, ones, tens, hundreds, thousands) within the decimal number system.	4.1 Tenths pp. 72-73 4.2 Hundredths pp. 74-75
Standard 3: The student understands the effects of operations on numbers and the relationships among these operations, selects appropriate operations, and computes for problem solving. (MA.A.3.2)	
1. Understands and explains the effects of addition, subtraction, and multiplication on whole numbers, decimals, and fractions, including mixed numbers, and the effects of division on whole numbers, including the inverse relationship of multiplication and division.	2.1 Addition and Subtraction Families pp. 36-37 3.1 Meaning of Multiplication pp. 54-55 3.6 Division as Equal Grouping and Sharing

Florida Department of Education 1996 Sunshine State Standards Grade 3
 Correlated to Northpoint Horizons' *Math Elevations*TM
 September 2008

This document provides a sampling of the extensive math directives offered throughout the *Math Elevations* program that meet the Florida Sunshine State Standards.

1996 Sunshine State Standards Grades 3-5	<i>Math Elevations</i> Level C Lesson Number / Page Numbers
	Equally pp. 64-65 3.7 Dividing Using Inverse Operations pp. 66-67
2. Selects the appropriate operation to solve specific problems involving addition, subtraction, and multiplication of whole numbers, decimals, and fractions, and division of whole numbers.	2.8 Addition and Subtraction Word Problems pp. 50-51 3.7 Dividing Using Inverse Operations pp. 66-67
3. Adds, subtracts, and multiplies whole numbers, decimals, and fractions, including mixed numbers, and divides whole numbers to solve real-world problems, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	2.2 Adding Two-Digit Numbers pp. 38-39 2.4 Adding Three- and Four-Digit Numbers pp. 42-43 2.5 Regrouping Two-Digit Numbers for Subtraction pp. 44-45 2.6 Subtraction of Three- and Four-Digit Numbers pp. 46-47 2.7 Subtraction with Zeros pp. 48-49 2.8 Addition and Subtraction Word Problems pp. 50-51 3.2 Multiplication Facts of 2, 5, and 10 pp. 56-57 3.3 Multiplication Facts of 3 and 6 pp. 58-59 3.4 Multiplication Facts of 4 and 8 pp. 60-61 3.5 Multiplication Facts of 7 and 9 pp. 62-63 3.8 Multiplication and Division Word Problems pp. 68-69 4.6 Making Change pp. 82-83 4.7 Addition and Subtraction of Money pp. 84-85 4.8 Money Word Problems pp. 86-87

Florida Department of Education 1996 Sunshine State Standards Grade 3
 Correlated to Northpoint Horizons' *Math Elevations*TM
 September 2008

This document provides a sampling of the extensive math directives offered throughout the *Math Elevations* program that meet the Florida Sunshine State Standards.

1996 Sunshine State Standards Grades 3-5	<i>Math Elevations</i> Level C Lesson Number / Page Numbers
Standard 4: The student uses estimation in problem solving and computation. (MA.A.4.2)	
1. Uses and justifies different estimation strategies in a real-world problem situation and determines the reasonableness of results of calculations in a given problem situation.	1.3 Rounding pp. 22-23 2.3 Using Estimation in Addition pp. 40-41
Standard 5: The student understands and applies theories related to numbers. (MA.A.5.2)	
1. Understands and applies basic number theory concepts, including primes, composites, factors, and multiples.	1.4 Odd and Even Numbers pp. 24-25
Measurement	
Standard 1: The student measures quantities in the real world and uses the measures to solve problems. (MA.B.1.2)	
1. Uses concrete and graphic models to develop procedures for solving problems related to measurement including length, weight, time, temperature, perimeter, area, volume, and angle.	6.1 Lines and Angles pp. 108-109 6.8 Volume pp. 122-123 7.1 Time pp. 126-127 7.2 Length (Customary Units) pp. 128-129 7.3 Length (Metric) pp. 130-131 7.4 Perimeter pp. 132-133 7.5 Area pp. 134-135 7.6 Weight pp. 136-137 7.7 Capacity pp. 138-139
2. Solves real-world problems involving length, weight, perimeter, area, capacity, volume, time, temperature, and angles.	6.1 Lines and Angles pp. 108-109 6.8 Volume pp. 122-123 7.1 Time pp. 126-127 7.2 Length (Customary Units) pp. 128-129 7.3 Length (Metric) pp. 130-131 7.4 Perimeter pp. 132-133

Florida Department of Education 1996 Sunshine State Standards Grade 3
Correlated to Northpoint Horizons' *Math Elevations*TM
September 2008

This document provides a sampling of the extensive math directives offered throughout the *Math Elevations* program that meet the Florida Sunshine State Standards.

1996 Sunshine State Standards Grades 3-5	<i>Math Elevations</i> Level C Lesson Number / Page Numbers
	7.5 Area pp. 134-135 7.6 Weight pp. 136-137 7.7 Capacity pp. 138-139
Standard 2: The student compares, contrasts, and converts within systems of measurement (both standard/nonstandard and metric/customary). (MA.B.2.2)	
1. Uses direct (measured) and indirect (not measured) measures to calculate and compare measurable characteristics.	6.1 Lines and Angles pp. 108-109 6.8 Volume pp. 122-123 7.1 Time pp. 126-127 7.2 Length (Customary Units) pp. 128-129 7.3 Length (Metric) pp. 130-131 7.4 Perimeter pp. 132-133 7.5 Area pp. 134-135 7.6 Weight pp. 136-137 7.7 Capacity pp. 138-139
2. Selects and uses appropriate standard and nonstandard units of measurement, according to type and size.	7.8 Appropriate Units pp. 140-141
Standard 4: The student selects and uses appropriate units and instruments for measurement to achieve the degree of precision and accuracy required in real-world situations. (MA.B.4.2)	
1. Determines which units of measurement, such as seconds, square inches, dollars per tankful, to use with answers to real-world problems.	7.8 Appropriate Units pp. 140-141
Geometry and Spatial Sense	
Standard 1: The student describes, draws, identifies, and analyzes two- and three-dimensional shapes. (MA.C.1.2)	
1. Given a verbal description, draws and/or models two- and three-dimensional shapes and uses appropriate geometric vocabulary to write a description of a figure or a picture composed of geometric figures.	6.1 Lines and Angles pp. 108-109 6.2 Types of Lines pp. 110-111 6.3 Plane Figures pp. 112-113

Florida Department of Education 1996 Sunshine State Standards Grade 3
Correlated to Northpoint Horizons' *Math Elevations*TM
September 2008

This document provides a sampling of the extensive math directives offered throughout the *Math Elevations* program that meet the Florida Sunshine State Standards.

1996 Sunshine State Standards Grades 3-5	<i>Math Elevations</i> Level C Lesson Number / Page Numbers
	6.6 Solid Figures pp. 118-119 6.7 Solid Figures and Their Nets pp. 120-121
Standard 2: The student visualizes and illustrates ways in which shapes can be combined, subdivided, and changed. (MA.C.2.2)	
1. Understands the concepts of spatial relationships, symmetry, reflections, congruency, and similarity.	6.4 Congruent Figures pp. 114-115 6.5 Lines of Symmetry pp. 116-117
Standard 3: The student uses coordinate geometry to locate objects in both two and three dimensions and to describe objects algebraically. (MA.C.3.2)	
1. Represents and applies a variety of strategies and geometric properties and formulas for two- and three-dimensional shapes to solve real-world and mathematical problems.	6.8 Volume pp. 122-123 7.4 Perimeter pp. 132-133 7.5 Area pp. 134-135
Algebraic Thinking	
Standard 1: The student describes, analyzes, and generalizes a wide variety of patterns, relations, and functions. (MA.D.1.2)	
1. Describes a wide variety of patterns and relationships through models, such as manipulatives, tables, graphs, rules using algebraic symbols.	5.3 Skip Counting pp. 94-95 5.4 Number Patterns pp. 96-97 5.5 Number Machines pp. 98-99 5.6 Picture Patterns pp. 100-101 5.7 Pattern Puzzles pp. 102-103 5.8 Word Problem Patterns pp. 104-105
2. Generalizes a pattern, relation, or function to explain how a change in one quantity results in a change in another.	5.5 Number Machines pp. 98-99
Standard 2: The student uses expressions, equations, inequalities, graphs, and formulas to represent and interpret situations. (MA.D.2.2)	
1. Represents a given simple problem situation using diagrams, models, and symbolic expressions translated from verbal phrases, or verbal phrases translated from symbolic expressions, etc.	5.1 Missing Addends and Subtrahends pp. 90-91 5.2 Missing Factors pp. 92-93

Florida Department of Education 1996 Sunshine State Standards Grade 3
 Correlated to Northpoint Horizons' *Math Elevations*TM
 September 2008

This document provides a sampling of the extensive math directives offered throughout the *Math Elevations* program that meet the Florida Sunshine State Standards.

1996 Sunshine State Standards Grades 3-5	<i>Math Elevations</i> Level C Lesson Number / Page Numbers
2. Uses informal methods, such as physical models and graphs, to solve real-world problems involving equations and inequalities.	5.1 Missing Addends and Subtrahends pp. 90-91 5.2 Missing Factors pp. 92-93
Data Analysis and Probability	
Standard 1: The student understands and uses the tools of data analysis for managing information. (MA.E.1.2)	
1. Solves problems by generating, collecting, organizing, displaying, and analyzing data using histograms, bar graphs, circle graphs, line graphs, pictographs, and charts.	8.1 Tally Charts pp. 144-145 8.2 Reading Charts and Tables pp. 146-147 8.3 Pictographs pp. 148-149 8.4 Simple Bar Graphs pp. 150-151 8.5 Bar Graphs with a Scale pp. 152-153
Standard 2: The student identifies patterns and makes predictions from an orderly display of data using concepts of probability and statistics. (MA.E.2.2)	
1. Uses models, such as tree diagrams, to display possible outcomes and to predict events.	8.7 Probability pp. 156-157
2. Predicts the likelihood of simple events occurring.	8.6 Likelihood pp. 154-155 8.8 Fair and Unfair Games pp. 158-159
Standard 3: The student uses statistical methods to make inferences and valid arguments about real-world situations. (MA.E.3.2)	
2. Uses statistical data about life situations to make predictions and justifies reasoning.	8.6 Likelihood pp. 154-155 8.7 Probability pp. 156-157