

## Northpoint Horizons

### *Math Elevations™ (Comprehensive Intervention System)* Correlated to the Florida Sunshine State 2007 Mathematics Content Standards

Grade 3

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

<b>Math Content Standard</b>	<b><i>Math Elevations</i> Level C (Grade 3) Teacher's Guide Examples/Lessons</b>
<b>BIG IDEA 1: Develop understandings of multiplication and division and strategies for basic multiplication facts and related division facts.</b>	<b>Unit 3 – Multiplication and Division</b>
MA.3.A.1.1 Model multiplication and division including problems presented in context: repeated addition, multiplicative comparison, array, how many combinations, measurement, and partitioning.	Unit 3 – Lesson 1: <i>Meaning of Multiplication</i> pp. 54-55 Lesson 2: <i>Multiplication Facts of 2, 5, and 10</i> pp. 56-57 Lesson 3: <i>Multiplication Facts of 3 and 6</i> pp. 58-59 Lesson 4: <i>Multiplication Facts of 4 and 8</i> pp. 60-61 Lesson 5: <i>Multiplication Facts of 7 and 9</i> pp. 62-63 Lesson 6: <i>Division as Equal Grouping and Sharing Equally</i> pp. 64-65 Lesson 7: <i>Dividing Using Inverse Operations</i> pp. 66-67 Lesson 8: <i>Multiplication and Division Word Problems</i> pp. 68-69
MA.3.A.1.2 Solve multiplication and division fact problems by using strategies that result from applying number properties.	Unit 3 – Lesson 1: <i>Meaning of Multiplication</i> pp. 54-55 Lesson 6: <i>Division as Equal Grouping and Sharing Equally</i> pp. 64-65 Lesson 8: <i>Multiplication and Division Word Problems</i> pp. 68-69

Math Content Standard	<i>Math Elevations</i> Level C (Grade 3) Teacher's Guide Examples/Lessons
MA.3.A.1.3 Identify, describe, and apply division and multiplication as inverse operations.	Unit 3 – Lesson 7: <i>Dividing Using Inverse Operations</i> pp. 66-67
<b>BIG IDEA 2: Develop an understanding of fractions and fraction equivalence.</b>	<b>Unit 1 – Numbers and Operations</b>
MA.3.A.2.1 Represent fractions, including fractions greater than one, using area, set and linear models.	Unit 1 – Lesson 5: <i>Fractions as Part of a Whole</i> pp. 26-27 Lesson 6: <i>Fractions as Part of a Set</i> pp. 28-29 Lesson 7: <i>Comparing Fractions</i> pp. 30-31
MA.3.A.2.2 Describe how the size of the fractional part is related to the number of equal sized pieces in the whole.	Unit 1 – Lesson 5: <i>Fractions as Part of a Whole</i> pp. 26-27
MA.3.A.2.3 Compare and order fractions, including fractions greater than one, using models and strategies.	Unit 1 – Lesson 6: <i>Fractions as Part of a Set</i> pp. 28-29 Lesson 7: <i>Comparing Fractions</i> pp. 30-31
MA.3.A.2.4 Use models to represent equivalent fractions, including fractions greater than one, and identify representations of equivalence.	Unit 1 – Lesson 5: <i>Fractions as Part of a Whole</i> pp. 26-27 Lesson 6: <i>Fractions as Part of a Set</i> pp. 28-29
<b>BIG IDEA 3: Describe and analyze properties of two-dimensional shapes.</b>	<b>Unit 1 – Numbers and Operations</b> <b>Unit 5 – Algebra, Patterns, and Functions</b> <b>Unit 6 – Geometry</b> <b>Unit 7 – Measurement</b> <b>Unit 8 – Probability, Data Analysis, and Graphs</b>
MA.3.G.3.1 Describe, analyze, compare and classify two-dimensional shapes using sides and angles – including acute, obtuse, and right angles – and connect these ideas to the definition of shapes.	Unit 6 – Lesson 3: <i>Plane Figures</i> pp. 112-113 Lesson 4: <i>Congruent Figures</i> pp. 114-115
MA.3.G.3.2 Compose, decompose, and transform polygons to make other polygons, including concave and convex polygons with three, four, five, six, eight, or ten sides.	Unit 6 – Lesson 3: <i>Plane Figures</i> pp. 112-113

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MA.3.G.3.3 Build, draw and analyze two-dimensional shapes from several orientations in order to examine and apply congruence and symmetry.	Unit 6 – Lesson 4: <i>Congruent Figures</i> pp. 114-115 Lesson 5: <i>Lines of Symmetry</i> pp. 116-117
<b>SUPPORTING IDEAS: Algebra</b>	<b>Unit 5 – Algebra, Patterns, and Functions</b>
MA.3.A.4.1 Create, analyze, and represent patterns and relationships using words, variables, tables and graphs.	Unit 5 – Lesson 3: <i>Skip Counting</i> pp. 94-95 Lesson 4: <i>Number Patterns</i> pp. 96-97 Lesson 5: <i>Number Machines</i> pp. 98-99 Lesson 6: <i>Picture Patterns</i> pp. 100-101 Lesson 7: <i>Pattern Puzzles</i> pp. 102-103 Lesson 8: <i>Word Problem Patterns</i> pp. 104-105
<b>SUPPORTING IDEAS: Geometry and Measurement</b>	<b>Unit 7 - Measurement</b>
MA.3.G.5.1 Select appropriate units, strategies and tools to solve problems involving perimeter..	Unit 7 – Lesson 4: <i>Perimeter</i> pp. 132-133
MA.3.G.5.2 Measure objects using fractional parts of linear units such as $\frac{1}{2}$ , $\frac{1}{4}$ , and $\frac{1}{10}$ .	Unit 7 – Lesson 5: <i>Area</i> pp. 134-135
MA.3.G.5.3 Tell time to the nearest minute and to the nearest quarter hour, and determine the amount of time elapsed.	Unit 7 – Lesson 1: <i>Time</i> pp. 126-127
<b>SUPPORTING IDEAS: Numbers and Operations</b>	<b>Unit 1 – Numbers and Operations</b>
MA.3.A.6.1 Represent, compute, estimate and solve problems using numbers through hundred thousands.	Unit 1 – Lesson 1: <i>Four-Digit Numbers</i> pp. 18-19 Lesson 2: <i>Comparing and Ordering Numbers</i> pp. 20-21 Lesson 3: <i>Rounding</i> pp. 22-23 Lesson 4: <i>Odd and Even Numbers</i> pp. 24-25 Lesson 8: <i>Reading and Writing Numbers Through 999,999</i> pp. 32-33

<b>Math Content Standard</b>	<b><i>Math Elevations</i> Level C (Grade 3) Teacher's Guide Examples/Lessons</b>
MA.3.A.6.2 Solve non-routine problems by making a table, chart, or list and searching for patterns.	Unit 1 – Lesson 3: <i>Rounding</i> pp. 22-23 Lesson 5: <i>Fractions as Part of a Whole</i> pp. 26-27 Lesson 8: <i>Reading and Writing Numbers Through 999,999</i> pp. 32-33
<b>SUPPORTING IDEAS: Data Analysis</b>	<b>Unit 8 – Probability, Data Analysis, and Graphs</b>
MA.3.S.7.1 Construct and analyze frequency tables, bar graphs, pictographs, and line plots from data, including data collected through observations, surveys, and experiments.	Unit 8 – Lesson 1: <i>Tally Charts</i> – pp. 144-145 Lesson 2: <i>Reading Charts and Tables</i> pp. 146-147 Lesson 3: <i>Pictographs</i> pp. 148-149 Lesson 4: <i>Simple Bar Graphs</i> pp. 150-151 Lesson 5: <i>Bar Graphs with a Scale</i> pp. 152-153 Lesson 6: <i>Likelihood</i> pp. 154-155 Lesson 7: <i>Probability</i> pp. 156-157 Lesson 8: <i>Fair and Unfair Games</i> pp. 158-159