

## Northpoint Horizons

### *Math Elevations* Correlated to the Florida State Mathematic Content Standards & Access Points

Grade 3

This document provides a sampling of the extensive math directives offered throughout the *Math Elevations* program that meet the Florida Mathematics Access Points. N/A denotes Not Applicable.

<b>Math Access Points</b>	<b><i>Math Elevations (Level C) Math Grade 3</i> 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>Access Points</b>	<b>Unit 2 – Addition and Subtraction Unit 3 – Multiplication and Division Unit 5 – Algebra, Patterns, and Functions</b>
MA.3.A.1.In.a Solve problems that involve combining (multiplying) equal sets with quantities to 18 using objects and pictures with numerals.	3.1 Meaning of Multiplication, pp. 54-55 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
MA.3.A.1.In.b Solve addition facts with sums to 18 and related subtraction one-digit fact families using the formal algorithm with numerals and signs (+, -, =).	2.1 Addition and Subtraction Families, pp. 36-37 3.1 Meaning of Multiplication, pp. 54-55 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
MA.3.A.1.In.c Use one-to-one correspondence, grouping, and counting as strategies to solve real-world problems involving addition facts with sums to 18 and related subtraction facts.	2.1 Addition and Subtraction Families, pp. 36-37 2.8 Addition and Subtraction Word Problems, pp. 50-51 3.1 Meaning of Multiplication, pp. 54-55 3.7 Dividing Using Inverse Operations, pp. 66-67

<b>Math Access Points</b>	<b>Math Elevations (Level C) Math Grade 3 Teacher's Guide Examples/Lessons</b>
MA.3.A.1.In.d Use objects and pictures to represent the inverse relationship between addition and subtraction facts.	2.1 Addition and Subtraction Families, pp. 36-37 2.8 Addition and Subtraction Word Problems, pp. 50-51 3.1 Meaning of Multiplication, pp. 54-55 3.7 Dividing Using Inverse Operations, pp. 66-67 5.1 Missing Addends and Subtrahends, pp. 90-91 5.2 Missing Factors, pp. 92-93
MA.3.A.1.Pa.a Solve simple problems involving joining or separating sets of objects to 3.	2.1 Addition and Subtraction Families, pp. 36-37 3.3 Multiplication Facts of 3 and 6, pp. 58-59
MA.3.A.1.Pa.b Recognize when 1 or 2 items have been added to or removed from sets of objects to 3.	2.1 Addition and Subtraction Families, pp. 36-37 3.3 Multiplication Facts of 3 and 6, pp. 58-59
MA.3.A.1.Su.a Solve problems that involve combining (multiplying) equal sets with sums to 9 using objects and pictures.	3.1 Meaning of Multiplication, pp. 54-55 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
MA.3.A.1.Su.b Solve addition facts with sums to 9 and related subtraction facts using numerals with objects and pictures.	2.1 Addition and Subtraction Families, pp. 36-37 2.8 Addition and Subtraction Word Problems, pp. 50-51
MA.3.A.1.Su.c Use one-to-one correspondence and counting as strategies to solve real-world problems with addition facts with sums to 9 and related subtraction facts.	2.1 Addition and Subtraction Families, pp. 36-37 2.8 Addition and Subtraction Word Problems, pp. 50-51 3.1 Meaning of Multiplication, pp. 54-55 3.8 Multiplication and Division Word Problems, pp. 68-69
<b>BIG IDEA 2: Develop an understanding of fractions and fraction equivalence.</b>	
<b>Access Points</b>	<b>Unit 1 – Numbers and Operations</b>
MA.3.A.2.In.a Represent half and whole using area and sets of objects.	1.5 Fractions as Part of a Whole, pp. 24-25 1.6 Fractions as Part of a Set, pp. 26-27
MA.3.A.2.In.b Identify the relationship between half and whole.	1.5 Fractions as Part of a Whole, pp. 24-25 1.6 Fractions as Part of a Set, pp. 26-27
MA.3.A.2.Pa.a Recognize parts of whole objects and parts of sets of objects.	1.5 Fractions as Part of a Whole, pp. 26-27 1.6 Fractions as Part of a Set, pp. 28-29 1.7 Comparing Fractions, pp. 30-31

<b>Math Access Points</b>	<b><i>Math Elevations (Level C) Math Grade 3 Teacher's Guide Examples/Lessons</i></b>
MA.3.A.2.Su.a Recognize part and whole using area and sets of objects.	1.5 Fractions as Part of a Whole, pp. 24-25 1.6 Fractions as Part of a Set, pp. 26-27 1.7 Comparing Fractions, pp. 28-29
<b>BIG IDEA 3: Describe and analyze properties of two-dimensional shapes.</b>	
<b>Access Points</b>	<b>Unit 6 - Geometry</b>
MA.3.G.3.In.a Identify attributes, including number of sides, curved or straight sides, and number of corners (angles), in two-dimensional shapes.	6.3 Plane Figures, pp. 112-113 6.7 Solid Figures and Their Nets, pp. 120-121
MA.3.G.3.In.b Combine (compose) and separate (decompose) two-dimensional shapes to make other shapes.	6.5 Lines of Symmetry, pp. 116-117
MA.3.G.3.In.c Identify two-dimensional shapes that are the same shape and size (congruent).	6.4 Congruent Figures, pp. 114-115 6.5 Lines of Symmetry, pp. 116-117
MA.3.G.3.Pa.a Recognize common objects with two-dimensional shapes, such as circle and square.	6.3 Plane Figures, pp. 112-113
MA.3.G.3.Pa.b Recognize two-dimensional shapes, including circle and square, that are the same shape and size (congruent).	6.4 Congruent Figures, pp. 114-115
MA.3.G.3.Su.a Sort two-dimensional shapes by single attributes, including numbers of sides and curved or straight sides.	6.4 Congruent Figures, pp. 114-115 6.5 Lines of Symmetry, pp. 116-117
MA.3.G.3.Su.b Combine (compose) two shapes to make other shapes.	6.5 Lines of Symmetry, pp. 116-117 6.7 Solid Figures and Their Nets, pp. 120-121
MA.3.G.3.Su.c Match two-dimensional shapes that are the same shape and size (congruent).	6.4 Congruent Figures, pp. 114-115 6.5 Lines of Symmetry, pp. 116-117
<b>SUPPORTING IDEAS: Algebra</b>	
<b>Access Points</b>	<b>Unit 5 – Algebra, Patterns, and Functions</b>
MA.3.A.4.In.a Complete growing visual and number patterns.	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

<b>Math Access Points</b>	<b><i>Math Elevations (Level C) Math Grade 3 Teacher's Guide Examples/Lessons</i></b>
	5.8 Word Problem Patterns, pp. 104-105
MA.3.A.4.Pa.a Recognize the next step in a simple pattern or sequence of activities.	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
MA.3.A.4.Su.a Match a two-element repeating visual pattern using objects and pictures.	5.6 Picture Patterns, pp. 100-101 5.7 Pattern Puzzles, pp. 102-103
<b>SUPPORTING IDEAS: Geometry and Measurement</b>	
<b>Access Points</b>	<b>Unit 6 – Geometry Unit 7 - Measurement</b>
MA.3.G.5.In.a Use a ruler to solve problems involving the length of sides of squares and rectangles.	7.2 Length (Customary Units), pp. 128-129
MA.3.G.5.In.b Identify half and whole of the length of objects.	7.2 Length (Customary Units), pp. 128-129 7.3 Length (Metric), pp. 130-131
MA.3.G.5.In.c Identify time to hour and half hour using analog and digital clocks.	7.1 Time, pp. 126-127
MA.3.G.5.In.d Identify the months of the year in relation to calendars.	N/A
MA.3.G.5.Pa.a Recognize the sides of a square or rectangle.	6.3 Plane Figures, pp. 112-113 7.2 Length (Customary Units), pp. 128-129
MA.3.G.5.Pa.b Recognize part of a day, such as morning or afternoon, associated with a common activity.	7.1 Time, pp. 126-127
MA.3.G.5.Su.a Use nonstandard measurement units to solve problems for length of sides of squares.	7.3 Length (Metric), pp. 130-131
MA.3.G.5.Su.b Recognize part and whole of the length of objects.	7.2 Length (Customary Units), pp. 128-129 7.3 Length (Metric), pp. 130-131
MA.3.G.5.Su.c Identify concepts of time, including yesterday, today, and tomorrow, by relating activities to the time period.	7.1 Time, pp. 126-127

<b>Math Access Points</b>	<b><i>Math Elevations (Level C) Math Grade 3 Teacher’s Guide Examples/Lessons</i></b>
MA.3.G.5.Su.d Identify the days of the week using a calendar.	N/A
<b>SUPPORTING IDEAS: Numbers and Operations</b>	
<b>Access Points</b>	<b>Unit 1 – Numbers and Operations Unit 4 – Money and Decimals</b>
MA.3.A.6.In.a Express, represent, and solve problems with cardinal numbers 0 to 30 and ordinal numbers to tenth using sets of objects or pictures, number names, and numerals.	1.1 Four-Digit Numbers, pp. 18-19 1.2 Comparing and Ordering Numbers, pp. 20-21 1.3 Rounding, pp. 22-23 1.4 Odd and Even Numbers, pp. 24-25 4.1 Tenths, pp. 72-73
MA.3.A.6.In.b Apply the concepts of counting and grouping to create sets of tens and ones to identify the value of whole numbers to 30.	1.1 Four-Digit Numbers, pp. 18-19 1.2 Comparing and Ordering Numbers, pp. 20-21 1.3 Rounding, pp. 22-23 1.4 Odd and Even Numbers, pp. 24-25
MA.3.A.6.Pa.a Recognize quantities 1 to 3 using sets of objects, pictures, or number names.	1.4 Odd and Even Numbers, pp. 24-25
MA.3.A.6.Pa.b Match objects to marked spaces to show one-to-one correspondence for quantities 1 to 3.	1.4 Odd and Even Numbers, pp. 24-25
MA.3.A.6.Su.a Express, represent, and solve problems with numbers to 10 using sets of objects and pictures, number names, and numerals.	1.1 Four-Digit Numbers, pp. 18-19 1.2 Comparing and Ordering Numbers, pp. 20-21 1.3 Rounding, pp. 22-23 1.4 Odd and Even Numbers, pp. 24-25
MA.3.A.6.Su.b Use one-to-one correspondence to count sets of objects to 10.	1.1 Four-Digit Numbers, pp. 18-19 1.2 Comparing and Ordering Numbers, pp. 20-21 1.3 Rounding, pp. 22-23 1.4 Odd and Even Numbers, pp. 24-25
<b>SUPPORTING IDEAS: Data Analysis</b>	
<b>Access Points</b>	<b>Unit 8 – Probability, Data Analysis, and Graphs</b>
MA.3.S.7.In.a Sort and count objects and pictures into three labeled categories and display data in an object graph or pictograph.	8.1 Tally Charts, pp. 144-145 8.2 Reading Charts and Tables, pp. 146-147 8.3 Pictographs, pp. 148-149

<b>Math Access Points</b>	<b><i>Math Elevations (Level C) Math Grade 3 Teacher's Guide Examples/Lessons</i></b>
MA.3.S.7.Pa.a Identify items that belong together to form a set (data).	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
MA.3.S.7.Su.a Sort objects representing data into two labeled categories and count the number in each category.	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