

Northpoint Horizons

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

Grade 5

This document provides a sampling of the extensive math directives offered throughout the *Math Elevations* program that meet the Florida Mathematics Access Points. All examples taken from Level E unless indicated for Levels C and D. N/A denotes Not Applicable.

| Math Access Points | <i>Math Elevations</i> (Level E) Grade 5 Teacher's Guide Examples/Lessons |
|---|---|
| BIG IDEA 1: Develop an understanding of and fluency with division of whole numbers. | |
| Access Points | Unit 1 – Numbers and Operations Unit 2 – Computation with Whole and Decimal Numbers Unit 3 – Numeration and Fractions |
| MA.5.A.1.In.a Use a grouping strategy to separate (divide) quantities to 50 into equal sets using objects, coins, and pictures with numerals. | 1.3 Working with Whole Numbers, pp. 22-23 1.5 Primes and Composites, pp. 26-27 1.6 Divisibility, pp. 28-29 2.7 Long Division, pp. 48-49 |
| MA.5.A.1.In.b Solve problems that involve multiplying or dividing equal sets with quantities to 50 using objects and pictures with numerals. | Level D Unit 3 – Multiplication and Division 3.3 Multiplication by One-Digit Numbers, pp. 58-59 Level E 1.3 Working with Whole Numbers, pp. 22-23 1.5 Primes and Composites, pp. 26-27 1.6 Divisibility, pp. 28-29 2.7 Long Division, pp. 48-49 |

| Math Access Points | <i>Math Elevations</i> (Level E) Grade 5 Teacher's Guide Examples/Lessons |
|---|--|
| MA.5.A.1.Pa.a Separate groups of objects to 4 into sets with the same quantity and recognize how many are in each set. | Level D Unit 1 – Numbers and Operations 1.2 Comparing Numbers, pp. 20-21 1.4 Fractions as Part of a Whole, pp. 24-25 1.5 Fractions as Part of a Set, pp. 26-27 |
| MA.5.A.1.Pa.b Solve simple problems involving joining or separating sets of objects to 5. | Level D Unit 1 – Numbers and Operations 1.5 Fractions as Part of a Set, pp. 26-27 |
| MA.5.A.1.Su.a Use counting and grouping to separate (divide) quantities to 25 into equal sets using objects and pictures with numerals. | 1.6 Divisibility, pp. 28-29 |
| MA.5.A.1.Su.b Solve problems that involve combining (multiplying) or separating (dividing) equal sets with quantities to 25 using objects and pictures with numerals. | Level D Unit 3 – Multiplication and Division 3.2 Patterns of Calculations, pp. 56-57 3.3 Multiplication by One-Digit Numbers, pp. 58-59 Level E 1.6 Divisibility, pp. 28-29 |
| BIG IDEA 2: Develop an understanding of and fluency with addition and subtraction of fractions and decimals. | |
| Access Points | Unit 1 – Numbers and Operations Unit 2 – Computation with Whole and Decimal Numbers Unit 4 – Computation with Fractions, Decimals, and Percents |
| MA.5.A.2.In.a Express, represent, and use fractions—including halves, fourths, and thirds—as parts of a whole and as parts of a set, using number names. | Level D Unit 1 – Numbers and Operations 1.4 Fractions as Part of a Whole, pp. 24-25 1.5 Fractions as Part of a Set, pp. 26-27 1.6 Fractions as Decimals, pp. 28-29 Unit 4 – Fractions 4.5 Addition of Fractions with Like Denominators, pp. 80-81 |

| Math Access Points | <i>Math Elevations (Level E) Grade 5 Teacher's Guide Examples/Lessons</i> |
|---|--|
| | 4.6 Subtraction of Fractions with Like Denominators, pp. 82-83 4.7 Addition and Subtraction of Mixed Numbers, pp. 84-85 4.8 Addition and Subtraction of fractions with Unlike Denominators, pp. 86-87 Level E 4.1 Addition and Subtraction of Fractions (Like Denominators), pp. 72-73 4.2 Addition and Subtraction of Mixed Numbers (Like Denominators), pp. 74-75 4.3 Addition and Subtraction of Fractions (Unlike Denominators), pp. 76-77 4.4 Addition of Mixed Numbers (Unlike Denominators), pp. 78-79 4.5 Subtraction of Mixed Numbers (Unlike Denominators), pp. 80-81 |
| MA.5.A.2.In.b Express, represent, and use whole numbers to 100 in various contexts. | Level C Unit 1 – Numbers and Operations 1.1 Four-Digit Numbers, pp. 18-19 Unit 2 – Addition and Subtraction 2.1 Addition and Subtraction Families, pp. 36-37 2.2 Adding Two-Digit Numbers, pp. 38-39 2.8 Addition and Subtraction Word Problems, pp. 40-41 |
| MA.5.A.2.In.c Compare fractional parts of objects of equal size, including halves, fourths, and thirds. | Level C Unit 1 – Numbers and Operations 1.5 Fractions as Part of a Whole, pp. 26-27 1.6 Fractions as Part of a Set, pp. 28-29 |
| MA.5.A.2.In.d Identify place value of two-digit numbers to 99 in terms of tens and ones. | Level C Unit 1 – Numbers and Operations 1.1 Four-Digit Numbers, pp. 18-19 |
| MA.5.A.2.In.e Compare fractional parts of objects of equal size, including halves, fourths, and thirds. | Level C Unit 1 – Numbers and Operations |

| Math Access Points | <i>Math Elevations</i> (Level E) Grade 5 Teacher's Guide Examples/Lessons |
|---|--|
| | 1.5 Fractions as Part of a Whole, pp. 26-27 1.6 Fractions as Part of a Set, pp. 28-29 Level D Unit 1 – Numbers and Operations 1.4 Fractions as Part of a Whole, pp. 24-25 1.5 Fractions as Part of a Set, pp. 26-27 1.6 Fractions as Decimals, pp. 28-29 |
| MA.5.A.2.Pa.a Identify parts of a whole using a set of objects or whole object. | Level C Unit 1 – Numbers and Operations 1.5 Fractions as Part of a Whole, pp. 26-27 1.6 Fractions as Part of a Set, pp. 28-29 Level D Unit 1 – Numbers and Operations 1.4 Fractions as Part of a Whole, pp. 24-25 1.5 Fractions of a Set, pp. 26-27 1.6 Fractions as Decimals, pp. 28-29 |
| MA.5.A.2.Pa.b Distinguish half from whole using objects or visual models. | Level C Unit 1 – Numbers and Operations 1.5 Fractions as Part of a Whole, pp. 26-27 1.6 Fractions as Part of a Set, pp. 28-29 Level D Unit 1 – Numbers and Operations 1.4 Fractions as Part of a Whole, pp. 24-25 1.5 Fractions as Part of a Set, pp. 26-27 1.6 Fractions as Decimals, pp. 28-29 |
| MA.5.A.2.Pa.c Compare sets of objects to 5 and determine if they have same or different quantities. | Level C Unit 1 – Numbers and Operations 1.4 Odd and Even Numbers, pp. 24-25 Unit 2 – Addition and Subtraction 2.1 Addition and Subtraction Families, pp. 36-37 |
| MA.5.A.2.Su.a Express, represent, and use fractions—including halves and fourths—as parts of a | Level C Unit 1 – Numbers and Operations |

| Math Access Points | <i>Math Elevations (Level E) Grade 5 Teacher's Guide Examples/Lessons</i> |
|--|--|
| whole and as parts of a set, using number names. | 1.5 Fractions as Part of a Whole, pp. 26-27 |
| MA.5.A.2.Su.b Express, represent, and use whole numbers to 30 and ordinal numbers first to fifth in various contexts. | Level C Unit 1 – Numbers and Operations 1.5 Fractions as Part of a Whole, pp. 26-27 Unit 2 – Addition and Subtraction 2.1 Addition and Subtraction Families, pp. 36-37 |
| MA.5.A.2.Su.c Compare fractional parts of objects of equal size, including halves and fourths. | Level C Unit 1 – Numbers and Operations 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 Level D Unit 1 – Numbers and Operations 1.4 Fractions as Part of a Whole, pp. 24-25 1.5 Fractions as Part of a Set, pp. 26-27 1.6 Fractions as Decimals, pp. 28-29 |
| MA.5.A.2.Su.d Apply the concepts of counting and grouping by tens and ones to identify the value of whole numbers to 30. | Level C Unit 1 – Numbers and Operations 1.1 Four-Digit Numbers, pp. 18-19 |
| BIG IDEA 3: Describe three-dimensional shapes and analyze their properties, including volume and surface area. | |
| Access Points | Unit 6 – Measurement Unit 7 – Geometry |
| MA.5.G.3.In.a Identify properties, including number of edges, curved or straight sides, and faces; and match two-dimensional shapes with three-dimensional solids, including circle with sphere, square with cube, and triangle with cone. | Level D Unit 7 – Geometry 7.7 Solid Figures, pp. 138-139 Level E 7.8 Solid Figures, pp. 140-141 Level F Unit 6 – Geometry 6.3 Solid Figures, pp. 112-113 |
| MA.5.G.3.In.b Identify the six faces of a three- | 7.7 Classifying Quadrilaterals, pp. 138-139 |

| Math Access Points | <i>Math Elevations (Level E) Grade 5 Teacher's Guide Examples/Lessons</i> |
|---|---|
| dimensional rectangular prism or cube using a real object or physical model. | 7.8 Solid figures, pp. 140-141 Level F Unit 6 – Geometry 6.3 Solid Figures, pp. 112-113 |
| MA.5.G.3.Pa.a Recognize differences in features related to the shape of two- and three-dimensional objects. | Level D Unit 7 – Geometry 7.7 Solid Figures, pp. 138-139 Level E 7.7 Classifying Quadrilaterals, pp. 138-139 7.8 Solid Figures, pp. 140-141 |
| MA.5.G.3.Pa.b Recognize differences in size of two- and three-dimensional objects. | Level D Unit 7 – Geometry 7.7 Solid Figures, pp. 138-139 Level E 7.7 Classifying Quadrilaterals, pp. 138-139 7.8 Solid figures, pp. 140-141 |
| MA.5.G.3.Su.a Identify properties, including number of edges, curved or straight sides, and number of corners (angles), in two- and three-dimensional shapes. | Level D Unit 7 – Geometry 7.7 Solid Figures, pp. 138-139 Level E 7.7 Classifying Quadrilaterals, pp. 138-139 7.8 Solid Figures, pp. 140-141 |
| MA.5.G.3.Su.b Recognize the faces of a three-dimensional object. | Level D Unit 7 – Geometry 7.7 Solid Figures, pp. 138-139 Level E 7.7 Classifying Quadrilaterals, pp. 138-139 7.8 Solid figures, pp. 140-141 |
| SUPPORTING IDEAS: Algebra | |
| Access Points | Unit 1 – Numbers and Operations Unit 3 – Numeration and Fractions Unit 5 – Algebra |

| Math Access Points | <i>Math Elevations (Level E) Grade 5 Teacher's Guide Examples/Lessons</i> |
|---|--|
| | Unit 8 – Probability and Data Analysis |
| MA.5.A.4.In.a Use the concept of equality as a strategy to solve problems. | 5.5 Solving One-Step Equations, pp. 98-99 5.6 Problem Solving, pp. 100-101 5.7 Inequalities, pp. 102-103 |
| MA.5.A.4.In.b Describe the meaning of information in a pictograph or bar graph that shows change over time. | Level D Unit 5 – Algebra and Functions 5.7 Ordered Pairs, pp. 102-103 Unit 8 – Data Analysis, Statistics, and Probability 8.3 Pictographs, pp. 148-149 8.4 Bar Graphs, pp. 150-151 Level E 5.8 The Coordinate Plane, pp. 104-105 8.6 Bar Graphs, pp. 154-155 |
| MA.5.A.4.Pa.a Identify items that belong together to form two or more sets with the same quantity (equal). | 3.1 Understanding Fractions, pp. 54-55 3.2 Equivalent Fractions and Simplest Form, pp. 56-57 |
| MA.5.A.4.Pa.b Recognize an object graph or pictograph. | Level D Unit 8 – Data Analysis, Statistics, and Probability 8.3 Pictographs, pp. 148-149 8.4 Bar Graphs, pp. 150-151 Level E 8.6 Bar Graphs, pp. 154-155 |
| MA.5.A.4.Su.a Identify and compare the relationship between two same or different (equal or unequal) sets to 25 using physical and visual models. | Level D Unit 1 – Numbers and Operations 1.2 Comparing Numbers, pp. 20-21 Level E 5.7 Inequalities, pp. 102-103 |
| MA.5.A.4.Su.b Identify information displayed on an object graph or pictograph. | Level D Unit 8 – Data Analysis, Statistics, and Probability 8.3 Pictographs, pp. 148-149 |
| SUPPORTING IDEAS: Geometry and Measurement | |
| Access Points | Unit 5 – Algebra |

| Math Access Points | <i>Math Elevations (Level E) Grade 5 Teacher's Guide Examples/Lessons</i> |
|--|--|
| | Unit 6 – Measurement Unit 7 – Geometry |
| MA.5.G.5.In.a Indicate the relative position, before or after, of whole numbers on a 0 to 100 number line. | Level C Unit 5 – Algebra, Patterns, and Functions 5.3 Skip Counting, pp. 94-95 5.4 Number Patterns, pp. 96-97 |
| MA.5.G.5.In.b Solve real-world problems involving length and weight using tools with standard units. | Level C Unit 7 – Measurement 7.2 Length (Customary Units), pp. 128-129 7.6 Weight, pp. 136-137 Level D Unit 6 – Measurement 6.7 Weight, pp. 120-121 |
| MA.5.G.5.In.c Identify time to the minute. | Level C Unit 7 – Measurement 7.1 Time, pp. 126-127 |
| MA.5.G.5.In.d Find the area of rectangles and squares using a visual model, such as a grid. | Level D Unit 6 – Measurement 6.2 Area of Squares and Rectangles, pp. 110-111 |
| MA.5.G.5.Pa.a Count from 1 to 5 using objects or pictures. | At all levels the manipulatives provided in the program can be used to teach this skill. |
| MA.5.G.5.Pa.b Identify differences in features of objects, such as shape and size, to solve simple problems. | Level C Unit 6 – Geometry 6.3 Plane Figures, pp. 112-113 Unit 7 – Measurement 7.4 Perimeter, pp. 132-133 7.5 Area, pp. 134-135 7.6 Weight, pp. 136-137 7.7 Capacity, pp. 138-139 Level D Unit 7 – Geometry 7.7 Solid Figures, pp. 138-139 |

| Math Access Points | <i>Math Elevations (Level E) Grade 5 Teacher's Guide Examples/Lessons</i> |
|---|--|
| | 7.8 Volume, pp. 140-141 Level E 6.1 Perimeter of Squares and Rectangles, pp. 108-109 |
| MA.5.G.5.Pa.c Indicate the next activity in a daily schedule. | N/A |
| MA.5.G.5.Pa.d Recognize differences in size of large and small areas. | Level C Unit 7 – Measurement 7.5 Area, pp. 134-135 Level D Unit 6 – Measurement 6.2 Area of Squares and Rectangles, pp. 110-111 Level E 6.1 Perimeter of Squares and Rectangles, pp. 108-109 |
| MA.5.G.5.Su.a Indicate the relative position, before or after, of whole numbers on a 1–10 number line. | Level C Unit 5 – Algebra, Patterns, and Functions 5.3 Skip Counting, pp. 94-95 5.4 Number Patterns, pp. 96-97 |
| MA.5.G.5.Su.b Solve real-world problems by using tools and comparing the measurement including length and weight. | Level C Unit 7 – Measurement 7.2 Length (Customary Units), pp. 128-129 7.6 Weight, pp. 136-137 Level D Unit 6 – Measurement 6.7 Weight, pp. 120-121 |
| MA.5.G.5.Su.c Identify time to the hour and half-hour. | Level C Unit 7 – Measurement 7.1 Time, pp. 126-127 |
| MA.5.G.5.Su.d Identify the distance around all sides (perimeter) of squares and rectangles. | Level D Unit 6 – Measurement 6.1 Perimeter of Squares and Rectangles, pp. 108-109 |

| Math Access Points | <i>Math Elevations (Level E) Grade 5 Teacher's Guide Examples/Lessons</i> |
|--|--|
| MA.5.G.5.Su.e Compare the size of two square areas using physical models. | Level D Unit 6 – Measurement 6.2 Area of Squares and Rectangles, pp. 110-111 |
| SUPPORTING IDEAS: Numbers and Operations | |
| Access Points | Unit 1 – Numbers and Operations Unit 2 – Computation with Whole and Decimal Numbers Unit 5 – Algebra |
| MA.5.A.6.In.a Use skip counting to identify multiples of 2, 5, and 10 for numbers to 100. | Level C Unit 5 – Algebra, Patterns, and Functions 5.3 Skip Counting, pp. 94-95 |
| MA.5.A.6.In.b Use the associative property as a strategy to solve addition problems with three or more numbers. | Level D Unit 2 – Addition and Subtraction 2.5 Word Problems (Three- and Four-Digit Numbers), pp. 44-45 Level E 5.1 Order of Operations, pp. 90-91 |
| MA.5.A.6.In.c Compare and order numbers to 100 using a number line. | Level C Unit 5 – Algebra, Patterns, and Functions 5.3 Skip Counting, pp. 94-95 5.4 Number Patterns, pp. 96-97 |
| MA.5.A.6.In.d Solve real-world addition and subtraction problems with one-digit numbers by estimating and checking for accuracy. | Level C Unit 2 – Addition and Subtraction 2.3 Using Estimation in Addition, pp. 40-41 Level D Unit 2 - Addition and Subtraction 2.8 Word Problems (Five-Digit Numbers), pp. 50-51 |
| MA.5.A.6.In.e Select the operation and solve one-step problems involving addition or subtraction of two-digit numbers without regrouping and check for accuracy. | Level C Unit 2 – Addition and Subtraction 2.2 Adding Two-Digit Numbers, pp. 38-39 2.8 Addition and Subtraction Word Problems, pp. 50-51 |

| Math Access Points | <i>Math Elevations (Level E) Grade 5 Teacher's Guide Examples/Lessons</i> |
|--|---|
| MA.5.A.6.In.f Solve for an unknown number in addition and subtraction number sentences with numbers to 18. | Level D Unit 5 – Algebra and Functions 5.2 Solving Open Sentences (Addition and Subtraction), pp. 92-93 |
| MA.5.A.6.Pa.a Demonstrate one-to-one correspondence to count from 1 to 5 using objects or pictures. | At all levels the manipulatives provided in the program can be used to teach this skill. |
| MA.5.A.6.Pa.b Recognize when items have been added to or taken away from sets of objects to 5. | At all levels the manipulatives provided in the program can be used to teach this skill. |
| MA.5.A.6.Pa.c Solve simple problems involving small quantities using language, such as more, less, and same. | Level C Unit 1 – Numbers and Operations 1.2 Comparing and Ordering Numbers, pp. 20-21 Level D Unit 1 – Numbers and Operations 1.2 Comparing Numbers, pp. 20-21 |
| MA.5.A.6.Su.a Use skip counting by 5s to 30. | Level C Unit 5 – Algebra, Patterns, and Functions 5.3 Skip Counting, pp. 94-95 |
| MA.5.A.6.Su.b Use the commutative property as a strategy to check the accuracy of solutions to addition problems. | Level C Unit 2 – Addition and Subtraction 2.1 Addition and Subtraction Families, pp. 36-37 2.2 Adding Two-Digit Numbers, pp. 38-39 |
| MA.5.A.6.Su.c Compare and order whole numbers to 30 using objects, pictures, number names, numerals, and a number line. | Level C Unit 1 – Numbers and Operations 1.2 Comparing and Ordering Numbers, pp. 20-21 Level D Unit 1 – Numbers and Operations 1.2 Comparing Numbers, pp. 20-21 |
| MA.5.A.6.Su.d Solve real-world problems involving addition facts with sums to 25 and related subtraction facts using numerals with pictures. | Level C Unit 2 – Addition and Subtraction 2.8 Addition and Subtraction Word Problems, pp. 50-51 |
| SUPPORTING IDEAS: Data Analysis | |

| Math Access Points | <i>Math Elevations</i> (Level E) Grade 5 Teacher's Guide Examples/Lessons |
|--|--|
| Access Points | Unit 8 – Probability and Data Analysis |
| MA.5.S.7.In.a Sort and count data into three designated categories, and display data on a pictograph or bar graph. | Level C Unit 8 – Probability, Data Analysis, and Graphs 8.3 Pictographs, pp. 148-149 8.4 Simple Bar Graphs, pp. 150-151 8.5 Bar Graphs with a Scale, pp. 152-153 Level D Unit 8 – Data Analysis, Statistics, and Probability 8.3 Pictographs, pp. 148-149 8.4 Bar Graphs, pp. 150-151 Level E 8.6 Bar Graphs, pp. 154-155 |
| MA.5.S.7.In.b Describe the meaning of data in a three-category pictograph or bar graph. | Level C Unit 8 – Probability, Data Analysis, and Graphs 8.3 Pictographs, pp. 148-149 8.4 Simple Bar Graphs, pp. 150-151 8.5 Bar Graphs with a Scale, pp. 152-153 Level D Unit 8 – Data Analysis, Statistics, and Probability 8.3 Pictographs, pp. 148-149 8.4 Bar Graphs, pp. 150-151 Level E 8.6 Bar Graphs, pp. 154-155 |
| MA.5.S.7.Pa.a Count up to 5 objects, pictures, or symbols in data sets used in object graphs or pictographs. | Level C Unit 8 – Probability, Data Analysis, and Graphs 8.3 Pictographs, pp. 148-149 8.4 Simple Bar Graphs, pp. 150-151 8.5 Bar Graphs with a Scale, pp. 152-153 Level D Unit 8 – Data Analysis, Statistics, and Probability 8.3 Pictographs, pp. 148-149 8.4 Bar Graphs, pp. 150-151 |

| Math Access Points | <i>Math Elevations</i> (Level E) Grade 5 Teacher's Guide Examples/Lessons |
|--|---|
| | Level E 8.6 Bar Graphs, pp. 154-155 |
| MA.5.S.7.Su.a Sort and count objects or pictures into two designated categories and display data in an object graph or pictograph. | Level C Unit 8 – Probability, Data Analysis, and Graphs 8.3 Pictographs, pp. 148-149 8.4 Simple Bar Graphs, pp. 150-151 8.5 Bar Graphs with a Scale, pp. 152-153 Level D Unit 8 – Data Analysis, Statistics, and Probability 8.3 Pictographs, pp. 148-149 8.4 Bar Graphs, pp. 150-151 |
| MA.5.S.7.Su.b Identify the meaning of data in a two-category object graph or pictograph. | Level C Unit 8 – Probability, Data Analysis, and Graphs 8.3 Pictographs, pp. 148-149 8.4 Simple Bar Graphs, pp. 150-151 8.5 Bar Graphs with a Scale, pp. 152-153 |