

Northpoint Horizons

Math Elevations™(Comprehensive Intervention System) **Correlated to the** **Everyday Math Content Standards**

Grade 6

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

Everyday Math Unit	Math Elevations Level F (Grade 6) Teacher’s Guide Examples/Lessons
Unit 1 Collection, Display, and Interpretation of Data	Unit 1 – Numeration and Number Theory Unit 2 – Computation with Integers and Decimals Unit 5 – Algebra Language Objectives Unit 8 – Probability, Statistics, and Data Analysis
	Unit 1- Lesson 1: <i>Decimals</i> pp. 18-19 Unit 2- Lesson 8: <i>Word Problems</i> pp. 50-51 Unit 5- Lesson 1: <i>Order of Operations</i> pp. 90-91 Unit 8- Lesson 1: <i>Mean, Mode, and Median</i> pp. 144-45 Lesson 2: <i>Line Plots and Stem-and-Leaf Plots</i> pp. 146-47 Lesson 3: <i>Scales and Bar Graphs</i> pp. 148- 49 Lesson 4: <i>Conducting Surveys</i> pp. 150-51 Lesson 5: <i>Displaying Data</i> pp. 152-53 Lesson 6: <i>Line Graphs</i> pp. 154-55
Unit 2 Operations with Whole Numbers and Decimals	Unit 1 – Numeration and Number Theory Unit 2 – Computation with Integers and Decimals Unit 8 – Probability, Statistics, and Data Analysis
	Unit 1- Lesson 1: <i>Decimals</i> pp. 18-19 Lesson 2: <i>Understanding Exponents</i> pp. 20- 21 Unit 2- Lesson 2: <i>Rounding Numbers</i> pp. 38-39

Everyday Math Unit	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
	Lesson 3: <i>Addition and Subtraction</i> pp. 40-41 Lesson 4: <i>Multiplying and Dividing by Powers of 10</i> pp. 42-43 Lesson 5: <i>Multiplication of Whole Numbers</i> pp. 44-45 Lesson 6: <i>Multiplying by Decimals</i> pp. 46-47 Lesson 7: <i>Division</i> pp. 48-49 Lesson 8: <i>Word Problems</i> pp. 50-51 Unit 8- Lesson 1: <i>Mean, Mode, and Median</i> pp. 144-45 Lesson 5: <i>Displaying Data</i> pp. 152-53 Lesson 6: <i>Line Graphs</i> pp. 154-55
Unit 3 Variables, Formulas, and Graphs	Unit 1 – Numeration and Number Theory Unit 2 – Computation with Integers and Decimals Unit 5 – Algebra Language Objectives Unit 8 – Probability, Statistics, and Data Analysis
	Unit 1- Lesson 6: <i>Divisibility</i> pp. 28-29 Lesson 7: <i>Greatest Common Factor</i> pp. 30-31 Lesson 8: <i>Least Common Multiple (LCM)</i> pp. 32-33 Unit 2- Lesson 1: <i>Adding Integers</i> pp. 36-37 Lesson 2: <i>Rounding Numbers</i> pp. 38-39 Lesson 3: <i>Addition and Subtraction</i> pp. 40-41 Lesson 5: <i>Multiplication of Whole Numbers</i> pp. 44-45 Lesson 6: <i>Multiplying by Decimals</i> pp. 46-47 Lesson 7: <i>Division</i> pp. 48-49 Lesson 8: <i>Word Problems</i> pp. 50-51 Unit 5- Lesson 2: <i>Patterns</i> pp. 92-93 Lesson 3: <i>One-Step Algebraic Expressions</i> pp. 94-95 Lesson 4: <i>Two-Step Algebraic Expressions</i> pp. 96-97 Lesson 7: <i>Graphing Algebraic Equations</i> pp. 102-03

Everyday Math Unit	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
	Unit 8- Lesson 6: <i>Line Graphs</i> pp. 154-55
Unit 4 Rational Number Uses and Operations	Unit 3 – Fractions, Decimals, and Percents Unit 4 – Computation with Fractions Unit 8 – Probability, Statistics, and Data Analysis
	Unit 3- Lesson 1: <i>Simplest Form</i> pp. 54-55 Lesson 2: <i>Comparing and Ordering Fractions</i> pp. 56-57 Lesson 3: <i>Converting Fractions to Decimals</i> pp. 58-59 Lesson 4: <i>Understanding Percents</i> pp. 60- 61 Lesson 5: <i>Converting between Percents, Fractions, and Decimals</i> pp. 62-63 Lesson 6: <i>More Converting Fractions</i> pp. 64-65 Lesson 8: <i>Solving Proportions</i> pp. 68-69 Unit 4- Lesson 1: <i>Addition and Subtraction of Fractions</i> pp. 72-73 Lesson 2: <i>Adding Mixed Numbers</i> pp. 74-75 Lesson 3: <i>Subtraction Mixed Numbers</i> pp. 76-77 Lesson 4: <i>Multiplying Fractions</i> pp. 78-79 Lesson 5: <i>Multiplying Mixed Numbers</i> pp. 80-81 Unit 8- Lesson 5: <i>Displaying Data</i> pp. 152-53
Unit 5 Geometry: Congruence, Constructions, and Parallel Lines	Unit 2 – Computation with Integers and Decimals Unit 3 – Fractions, Decimals, and Percents Unit 4 – Computation with Fractions Unit 6 – Geometry Language Objectives Unit 7 – Measurement Language Objectives Unit 8 – Probability, Statistics, and Data Analysis
	Unit 2- Lesson 1: <i>Adding Integers</i> pp. 36-37 Lesson 2: <i>Rounding Numbers</i> pp. 38-39 Lesson 3: <i>Addition and Subtraction</i> pp. 40- 41 Unit 3- Lesson 3: <i>Converting Fractions to Decimals</i> pp. 58-59

Everyday Math Unit	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
	Lesson 5: <i>Converting between Percents, Fractions, and Decimals</i> pp. 62-63 Unit 4- Lesson 1: <i>Addition and Subtraction of Fractions</i> pp. 72-73 Lesson 2: <i>Adding Mixed Numbers</i> pp. 74-75 Lesson 3: <i>Subtraction Mixed Numbers</i> pp. 76-77 Lesson 4: <i>Multiplying Fractions</i> pp. 78-79 Lesson 5: <i>Multiplying Mixed Numbers</i> pp. 80-81 Unit 6- Lesson 5: <i>The Coordinate Plane</i> pp. 116-17 Lesson 6: <i>Translation</i> pp. 118-19 Lesson 7: <i>Reflection</i> pp. 120-21 Lesson 8 : <i>Rotation</i> pp. 122-23 Unit 7- Lesson 1 : <i>Triangles</i> pp. 126-27 Lesson 3 : <i>Angles</i> pp. 130-31 Lesson 4 : <i>Angles in a Triangle</i> pp. 132-33 Unit 8- Lesson 5 : <i>Displaying Data</i> pp. 152-53
Unit 6 Number Systems and Algebra Concepts	Unit 1 – Numeration and Number Theory Unit 2 – Computation with Integers and Decimals Unit 3 – Fractions, Decimals, and Percents Unit 4 – Computation with Fractions Unit 5 – Algebra Language Objectives
	Unit 1- Lesson 4: <i>Introduction to Integers</i> pp. 24-25 Lesson 8: <i>Least Common Multiple (LCM)</i> pp. 32-33 Unit 2- Lesson 5: <i>Multiplication of Whole Numbers</i> pp. 44-45 Lesson 7: <i>Division</i> pp. 48-49 Lesson 8: <i>Word Problems</i> pp. 50-51 Unit 3- Lesson 7: <i>Ratios and Proportions</i> pp. 66-67 Unit 4 Lesson 4: <i>Multiplying Fractions</i> pp. 78-79 Lesson 5: <i>Multiplying Mixed Numbers</i> pp. 80-81 Lesson 6: <i>Dividing Fractions by Whole</i>

Everyday Math Unit	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
	<p><i>Numbers</i> pp. 82-83 Lesson 7: <i>Dividing Fractions by Fractions</i> pp. 84-85 Lesson 8: <i>Dividing Mixed Numbers</i> pp. 86-87 Unit 5- Lesson 1: <i>Order of Operations</i> pp. 90-91 Lesson 2: <i>Patterns</i> pp. 92-93 Lesson 5: <i>Solving Equations</i> pp. 98-99</p>
<p>Unit 7 Probability and Discrete Mathematics</p>	<p>Unit 1 – Numeration and Number Theory Unit 2 – Computation with Integers and Decimals Unit 3 – Fractions, Decimals, and Percents Unit 4 – Computation with Fractions Unit 8 – Probability, Statistics, and Data Analysis</p>
	<p>Unit 1- Lesson 1: <i>Decimals</i> pp. 18-19 Unit 2- Lesson 5: <i>Multiplication of Whole Numbers</i> pp. 44-45 Unit 3- Lesson 3: <i>Converting Fractions to Decimals</i> pp. 58-59 Lesson 5: <i>Converting between Percents, Fractions, and Decimals</i> pp. 62-63 Lesson 6: <i>More Converting Fractions</i> pp. 64-65 Lesson 8: <i>Solving Proportions</i> pp. 68-69 Unit 4- Lesson 4: <i>Multiplying Fractions</i> pp. 78-79 Unit 8 Lesson 4: <i>Conducting Surveys</i> pp. 150-51 Lesson 7: <i>Probability</i> pp. 156-57 Lesson 8: <i>Probability Experiments</i> pp. 158-59</p>
<p>Unit 8 Rates and Ratios</p>	<p>Unit 2 – Computation with Integers and Decimals Unit 3 – Fractions, Decimals, and Percents Unit 5 – Algebra Language Objectives Unit 6 – Geometry Language Objectives Unit 7 – Measurement Language Objectives</p>
	<p>Unit 2 Lesson 7: <i>Division</i> pp. 48-49 Unit 3-</p>

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	Lesson 5: <i>Converting between Percents, Fractions, and Decimals</i> pp. 62-63 Lesson 6: <i>More Converting Fractions</i> pp. 64-65 Lesson 7: <i>Ratios and Proportions</i> pp. 66-67 Lesson 8: <i>Solving Proportions</i> pp. 68-69 Unit 5- Lesson 1: <i>Order of Operations</i> pp. 90-91 Lesson 2: <i>Patterns</i> pp. 92-93 Unit 6- Lesson 1: <i>Properties of Polygons</i> pp. 108-09 Lesson 2: <i>Classifying Quadrilaterals</i> pp. 110-11 Unit 7- Lesson 2: <i>Perimeter</i> pp. 128-29 Lesson 5: <i>Areas of Rectangles and Parallelograms</i> pp. 134-35 Lesson 6: <i>Area of Triangles</i> pp. 136-37 Lesson 7: <i>Area of Irregular Figures</i> pp. 138-39
Unit 9 More about Variables, Formulas, and Graphs	Unit 5 – Algebra Language Objectives Unit 7 – Measurement Language Objectives
	Unit 5- Lesson 1: <i>Order of Operations</i> pp. 90-91 Lesson 2: <i>Patterns</i> pp. 92-93 Lesson 3: <i>One-Step Algebraic Expressions</i> pp. 94-95 Lesson 4: <i>Two-Step Algebraic Expressions</i> pp. 96-97 Lesson 5: <i>Solving Equations</i> pp. 98-99 Lesson 6: <i>Word Problems</i> pp. 100-101 Unit 7- Lesson 2: <i>Perimeter</i> pp. 128-29 Lesson 5: <i>Areas of Rectangles and Parallelograms</i> pp. 134-35 Lesson 6: <i>Area of Triangles</i> pp. 136-37 Lesson 7: <i>Area of Irregular Figures</i> pp. 138-39 Lesson 8: <i>Volume</i> pp. 140-41
Unit 10 Geometry Topics	Unit 1 – Numeration and Number Theory Unit 2 – Computation with Integers and Decimals Unit 5 – Algebra Language Objectives Unit 6 – Geometry Language Objectives

Everyday Math Unit	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
	Unit 1- Lesson 1: <i>Decimals</i> pp. 18-19 Unit 2- Lesson 6: <i>Multiplying by Decimals</i> pp. 46-47 Lesson 7: <i>Division</i> pp. 48-49 Lesson 8: <i>Word Problems</i> pp. 50-51 Unit 5- Lesson 1: <i>Order of Operations</i> pp. 90-91 Lesson 3: <i>One-Step Algebraic Expressions</i> pp. 94-95 Lesson 4: <i>Two-Step Algebraic Expressions</i> pp. 96-97 Lesson 5: <i>Solving Equations</i> pp. 98-99 Lesson 6: <i>Word Problems</i> pp. 100-01 Unit 6- Lesson 5: <i>The Coordinate Plane</i> pp. 116-17 Lesson 6: <i>Translation</i> pp. 118-19 Lesson 7: <i>Reflection</i> pp. 120-21 Lesson 8 : <i>Rotation</i> pp. 122-23