

Grade 5

Math Elevations™ (Comprehensive Intervention System)
Correlated to the Grade 6
NYS Mathematics Core
Curriculum

This document provides a sampling of the extensive math directives offered throughout the *Math Elevations* program that meet the NYS Mathematics Core Curriculum.

Grade 6

Math Content Standard	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
Problem Solving Strand	
<i>Students will build new mathematical knowledge through problem solving.</i>	
6.PS.1 Know the difference between relevant and irrelevant information when solving problems	Unit 6 – Lesson 5: <i>The Coordinate Plane</i> pp. 116-117
6.PS.2 Understand that some ways of representing a problem are more efficient than others	Unit 8 – Lesson 5: <i>Displaying Data</i> pp. 152-153
6.PS.3 Interpret information correctly, identify the problem, and generate possible strategies and solutions	Unit 8 – Lesson 8: <i>Probability Experiments</i> pp. 158-159
<i>Students will solve problems that arise in mathematics and in other contexts.</i>	
6.PS.4 Act out or model with manipulatives activities involving mathematical content from literature	Unit 1 – Lesson 1: <i>Decimals</i> pp. 18-19 Lesson 2: <i>Understanding Exponents</i> pp. 20-21
6.PS.5 Formulate problems and solutions from everyday situations	Unit 2 – Lesson 8: <i>Word Problems</i> pp. 50-51
6.PS.6 Translate from a picture/diagram to a numeric expression	Unit 5 – Lesson 2: <i>Patterns</i> pp. 92-93
6.PS.7 Represent problem situations verbally, numerically, algebraically, and/or graphically	Unit 8 – Lesson 3: <i>Scales and Bar Graphs</i> pp. 148-149 Lesson 6: <i>Line Graphs</i> pp. 154-155
6.PS.8 Select an appropriate representation of a problem	Unit 8 – Lesson 5: <i>Displaying Data</i> pp. 152-153
6.PS.9 Understand the basic language of logic in mathematical situations (and,	Unit 5 –

Math Content Standard	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
or, and not)	Lesson 2: <i>Patterns</i> pp. 92-93
<i>Students will apply and adapt a variety of appropriate strategies to solve problems.</i>	
6.PS.10 Work in collaboration with others to solve problems	Unit 1 – Lesson 7: <i>Greatest Common Factor (GCF)</i> pp. 30-31 Lesson 8: <i>Least Common Multiple (LCM)</i> pp. 32-33
6.PS.11 Translate from a picture/diagram to a number or symbolic expression	Unit 1 – Lesson 7: <i>Greatest Common Factor (GCF)</i> pp. 30-31
6.PS.12 Use trial and error and the process of elimination to solve problems	Unit 8 – Lesson 7: <i>Probability</i> pp. 156-157
6.PS.13 Model problems with pictures/diagrams or physical objects	Unit 1 – Lesson 7: <i>Greatest Common Factor (GCF)</i> pp. 30-31 Lesson 8: <i>Least Common Multiple (LCM)</i> pp. 32-33
6.PS.14 Analyze problems by observing patterns	Unit 5 – Lesson 2: <i>Patterns</i> pp. 92-93
6.PS.15 Make organized lists or charts to solve numerical problems	Unit 8 – Lesson 2: <i>Line Plots and Stem-and-Leaf Plots</i> pp. 146-147
<i>Students will monitor and reflect on the process of mathematical problem solving.</i>	
6.PS.16 Discuss with peers to understand a problem situation	Unit 1 – Lesson 7: <i>Greatest Common Factor (GCF)</i> pp. 30-31
6.PS.17 Determine what information is needed to solve problem	Unit 2 – Lesson 8: <i>Word Problems</i> pp. 50-51
6.PS.18 Determine the efficiency of different representations of a problem	Unit 2 – Lesson 8: <i>Word Problems</i> pp. 50-51
6.PS.19 Differentiate between valid and invalid approaches	Unit 8 – Lesson 8: <i>Probability Experiments</i> pp. 158-159
6.PS.20 Understand valid counterexamples	Unit 7 – Lesson 3: <i>Angles</i> pp. 130-131
6.PS.21 Explain the methods and reasoning behind the problem solving strategies used	Unit 5 – Lesson 6: <i>Word Problems</i> pp. 100-101
6.PS.22 Discuss whether a solution is reasonable in the context of the original problem	Unit 5 – Lesson 6: <i>Word Problems</i> pp. 100-101
6.PS.23 Verify results of a problem	Unit 8 – Lesson 7: <i>Probability</i> pp. 156-157 Lesson 8: <i>Probability Experiments</i> pp. 158-159

Math Content Standard	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
Reasoning and Proof Strand	
<i>Students will recognize reasoning and proof as fundamental aspects of mathematics.</i>	
6.RP.1 Recognize that mathematical ideas can be supported using a variety of strategies	Unit 3 – Lesson 5: <i>Converting Between Percents, Fractions, and Decimals</i> pp. 62-63 Lesson 6: <i>More Converting Fractions</i> pp. 64-6
6.RP.2 Understand that mathematical statements can be supported, using models, facts, and relationships to explain their thinking	Unit 7 – Lesson 3: <i>Angles</i> pp. 130-131
<i>Students will make and investigate mathematical conjectures.</i>	
6.RP.3 Investigate conjectures, using arguments and appropriate mathematical terms	Unit 8 – Lesson 7: <i>Probability</i> pp. 156-157 Lesson 8: <i>Probability Experiments</i> pp. 158-159
6.RP.4 Make and evaluate conjectures, using a variety of strategies	Unit 8 – Lesson 7: <i>Probability</i> pp. 156-157 Lesson 8: <i>Probability Experiments</i> pp. 158-159
<i>Students will develop and evaluate mathematical arguments and proofs.</i>	
6.RP.5 Justify general claims or conjectures, using manipulatives, models, expressions, and mathematical relationships	Unit 1 – Lesson 7: <i>Greatest Common Factor (GCF)</i> pp. 30-31 Lesson 8: <i>Least Common Multiple (LCM)</i> pp. 32-33
6.RP.6 Develop and explain an argument verbally, numerically, algebraically, and/or graphically	Unit 5 – 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 Lesson 7: <i>Graphing Algebraic Equations</i> pp. 102-103 Unit 8 – Lesson 3: <i>Scales and Bar Graphs</i> pp. 148-149
6.RP.7 Verify claims other students make, using examples and counterexamples when appropriate	Unit 1 – Lesson 6: <i>Divisibility</i> pp. 28-29
<i>Students will select and use various types of reasoning and methods of proof.</i>	
6.RP.8 Support an argument through examples/counterexamples and special cases	Unit 6 – Lesson 1: <i>Properties of Polygons</i> pp. 108-109
6.RP.9 Devise ways to verify results	Unit 8 – Lesson 7: <i>Probability</i> pp. 156-157

Math Content Standard	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
	Lesson 8: <i>Probability Experiments</i> pp. 158-159
Communication Strand	
<i>Students will organize and consolidate their mathematical thinking through communication.</i>	
6.CM.1 Provide an organized thought process that is correct, complete, coherent, and clear	Unit 2 – Lesson 1: <i>Adding Integers</i> pp. 36-37
6.CM.2 Explain a rationale for strategy selection	Unit 7 – Lesson 8: <i>Volume</i> pp. 140-141
6.CM.3 Organize and accurately label work	Unit 7 – Lesson 3: <i>Angles</i> pp. 130-131
<i>Students will communicate their mathematical thinking coherently and clearly to peers, teachers, and others.</i>	
6.CM.4 Share organized mathematical ideas through the manipulation of objects, numerical tables, drawings, pictures, charts, graphs, tables, diagrams, models, and symbols in written and verbal form	Unit 8 – Lesson 2: <i>Line Plots and Stem-and-Leaf Plots</i> pp. 146-147 Lesson 3: <i>Scales and Bar Graphs</i> pp. 148-149 Lesson 4: <i>Conducting Surveys</i> pp. 150-151 Lesson 5: <i>Displaying Data</i> pp. 152-153 Lesson 6: <i>Line Graphs</i> pp. 154-155
<i>Students will analyze and evaluate the mathematical thinking and strategies of others.</i>	
6.CM.6 Understand mathematical solutions shared by other students	Unit 7 – Lesson 8: <i>Volume</i> pp. 140-141
<i>Students will use the language of mathematics to express mathematical ideas precisely.</i>	
6.CM.9 Increase their use of mathematical vocabulary and language when communicating with others	Unit 1 – Lesson 7: <i>Greatest Common Factor (GCF)</i> pp. 30-31
6.CM.10 Use appropriate vocabulary when describing objects, relationships, mathematical solutions, and rationale	Unit 6 – Lesson 1: <i>Properties of Polygons</i> pp. 108-109 Lesson 2: <i>Classifying Quadrilaterals</i> pp. 110-111 Lesson 3: <i>Solid Figures</i> pp. 112-113 Lesson 4: <i>Circles</i> pp. 114-115
6.CM.11 Decode and comprehend mathematical visuals and symbols to construct meaning	Unit 8 – Lesson 2: <i>Line Plots and Stem-and-Leaf Plots</i> pp. 146-147 Lesson 3: <i>Scales and Bar Graphs</i> pp. 148-149
Connections Strand	
<i>Students will recognize and use connections among mathematical ideas.</i>	
6.CN.1 Understand and make connections and conjectures in their everyday experiences to mathematical ideas	Unit 2 – Lesson 8: <i>Word Problems</i> pp. 50-51

Math Content Standard	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
6.CN.2 Explore and explain the relationship between mathematical ideas	Unit 2 – Lesson 2: <i>Rounding Numbers</i> pp. 38-39
6.CN.3 Connect and apply mathematical information to solve problems	Unit 8 – Lesson 7: <i>Probability</i> pp. 156-157 Lesson 8: <i>Probability Experiments</i> pp. 158-159
<i>Students will understand how mathematical ideas interconnect and build on one another to produce a coherent whole.</i>	
6.CN.4 Understand multiple representations and how they are related	Unit 3 – Lesson 5: <i>Converting Between Percents, Fractions, and Decimals</i> pp. 62-63
6.CN.5 Model situations with objects and representations and be able to draw conclusions	Unit 8 – Lesson 3: <i>Scales and Bar Graphs</i> pp. 148-149 Lesson 8: <i>Probability Experiments</i> pp. 158-159
<i>Students will recognize and apply mathematics in contexts outside of mathematics.</i>	
6.CN.6 Recognize and provide examples of the presence of mathematics in their daily lives	Unit 2 – Lesson 8: <i>Word Problems</i> pp. 50-51
6.CN.7 Apply mathematics to problem situations that develop outside of mathematics	Unit 8 – Lesson 7: <i>Probability</i> pp. 156-157 Lesson 8: <i>Probability Experiments</i> pp. 158-159
6.CN.9 Recognize and apply mathematics to other disciplines and areas of interest	Unit 8 – Lesson 4: <i>Conducting Surveys</i> pp. 150-151
Representation Strand	
<i>Students will create and use representations to organize, record, and communicate mathematical ideas.</i>	
6.R.1 Use physical objects, drawings, charts, tables, graphs, symbols, equations, or objects created using technology as representations	Unit 5 – 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 Lesson 7: <i>Graphing Algebraic Equations</i> pp. 102-103 Unit 8 – Lesson 2: <i>Line Plots and Stem-and-Leaf Plots</i> pp. 146-147 Lesson 6: <i>Line Graphs</i> pp. 154-155
6.R.2 Explain, describe, and defend mathematical ideas using representations	Unit 8 – Lesson 2: <i>Line Plots and Stem-and-Leaf Plots</i> pp. 146-147 Lesson 3: <i>Scales and Bar Graphs</i> pp. 148-149

Math Content Standard	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
	Lesson 4: <i>Conducting Surveys</i> pp. 150-151 Lesson 5: <i>Displaying Data</i> pp. 152-153 Lesson 6: <i>Line Graphs</i> pp. 154-155
6.R.3 Read, interpret, and extend external models	Unit 1 – Lesson 7: <i>Greatest Common Factor (GCF)</i> pp. 30-31 Lesson 8: <i>Least Common Multiple (LCM)</i> pp. 32-33
6.R.4 Use standard and nonstandard representations with accuracy and detail	
<i>Students will select, apply, and translate among mathematical representations to solve problems.</i>	
6.R.5 Use representations to explore problem situations	Unit 2 – Lesson 4: <i>Multiplying and Dividing by Powers of 10</i> pp. 42-43
6.R.6 Investigate relationships between different representations and their impact on a given problem	Unit 3 – Lesson 5: <i>Converting Between Percents, Fractions, and Decimals</i> pp. 62-63
<i>Students will use representations to model and interpret physical, social, and mathematical phenomena.</i>	
6.R.7 Use mathematics to show and understand physical phenomena(e.g., determine the perimeter of a bulletin board)	Unit 7 – Lesson 2: <i>Perimeter</i> pp. 128-129
6.R.8 Use mathematics to show and understand social phenomena (e.g., construct tables to organize data showing book sales)	Unit 8 – Lesson 5: <i>Displaying Data</i> pp. 152-153
6.R.9 Use mathematics to show and understand mathematical phenomena (e.g., Find the missing value: $(3 + 4) + 5 = 3 + (4 + \underline{\quad})$)	Unit 5 – 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
Number Sense and Operations Strand	
<i>Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems.</i>	
Number Systems	
6.N.1 Read and write whole numbers to trillions	Unit 1 – Lesson 3: <i>Powers of 10</i> pp. 22-23
6.N.7 Express equivalent ratios as a proportion	Unit 3 – Lesson 7: <i>Ratios and Proportions</i> pp. 66-67
6.N.9 Solve proportions using equivalent fractions	Unit 3 – Lesson 8: <i>Solving Proportions</i> pp. 68-69
6.N.10 Verify the proportionality using the product of the means equals the product of the extremes	Unit 3 – Lesson 8: <i>Solving Proportions</i> pp. 68-69
6.N.11 Read, write, and identify percents of a whole (0% to 100%)	Unit 3 –

Math Content Standard	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
	Lesson 4: <i>Understanding Percents</i> pp. 60-61
6.N.12 Solve percent problems involving percent, rate, and base	Unit 3 – Lesson 4: <i>Understanding Percents</i> pp. 60-61
6.N.15 Order rational numbers (including positive and negative)	Unit 1 – Lesson 4: <i>Introduction to Integers</i> pp. 24-25 Unit 3 – Lesson 2: <i>Comparing and Ordering Fractions</i> pp. 56-57
<i>Students will understand meanings of operations and procedures, and how they relate to one another.</i>	
6.N.16 Add and subtract fractions with unlike denominators	Unit 4 – Lesson 1: <i>Addition and Subtraction of Fractions</i> pp. 72-73
6.N.17 Multiply and divide fractions with unlike denominators	Unit 4 – Lesson 4: <i>Multiplying Fractions</i> pp. 78-79 Lesson 6: <i>Dividing Fractions by Whole Numbers</i> pp. 82-83 Lesson 7: <i>Dividing Fractions by Fractions</i> pp. 84-85
6.N.18 Add, subtract, multiply, and divide mixed numbers with unlike denominators	Unit 4 – Lesson 2: <i>Adding Mixed Numbers</i> pp. 74-75 Lesson 3: <i>Subtracting Mixed Numbers</i> pp. 76-77 Lesson 5: <i>Multiplying Mixed Numbers</i> pp. 80-81 Lesson 8: <i>Dividing Mixed Numbers</i> pp. 86-87
6.N.20 Represent fractions as terminating or repeating decimals	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
6.N.21 Find multiple representations of rational numbers (fractions, decimals, and percents 0 to 100)	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 5: <i>Converting Between Percents, Fractions, and Decimals</i> pp. 62-63 Lesson 6: <i>More Converting Fractions</i> pp. 64-65
6.N.22 Evaluate numerical expressions using order of operations (may include exponents of two and three)	Unit 5 – Lesson 1: <i>Order of Operations</i> pp. 90-91
6.N.23 Represent repeated multiplication in exponential form	Unit 1 – Lesson 2: <i>Understanding Exponents</i> pp. 20-21

Math Content Standard	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
	Lesson 3: <i>Powers of 10</i> pp. 22-23
6.N.24 Represent exponential form as repeated multiplication	Unit 1 – Lesson 2: <i>Understanding Exponents</i> pp. 20-21
6.N.25 Evaluate expressions having exponents where the power is an exponent of one, two, or three	Unit 1 – Lesson 2: <i>Understanding Exponents</i> pp. 20-21
<i>Students will compute accurately and make reasonable estimates.</i>	
6.N.26 Estimate a percent of quantity (0% to 100%)	Unit 3 – Lesson 4: <i>Understanding Percents</i> pp. 60-61
6.N.27 Justify the reasonableness of answers using estimation (including rounding)	Unit 2 – Lesson 2: <i>Rounding Numbers</i> pp. 38-39
Algebra Strand	
<i>Students will represent and analyze algebraically a wide variety of problem solving situations.</i>	
6.A.1 Translate two-step verbal expressions into algebraic expressions	Unit 5 – Lesson 4: <i>Two-Step Algebraic Expressions</i> pp. 96-97
<i>Students will perform algebraic procedures accurately.</i>	
6.A.2 Use substitution to evaluate algebraic expressions (may include Expressions exponents of one, two and three)	Unit 5 – 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
6.A.4 Solve and explain two-step equations involving whole numbers using inverse operations	Unit 5 – Lesson 4: <i>Two-Step Algebraic Expressions</i> pp. 96-97
6.A.5 Solve simple proportions within context	Unit 3 – Lesson 7: <i>Ratios and Proportions</i> pp. 66-67 Lesson 8: <i>Solving Proportions</i> pp. 68-69
6.A.6 Evaluate formulas for given input values (circumference, area, volume, distance, temperature, interest, etc.)	Unit 6 – Lesson 4: <i>Circles</i> pp. 114-115 Unit 7 – Lesson 5: <i>Areas of Rectangles and Parallelograms</i> pp. 134-135 Lesson 6: <i>Area of Triangles</i> pp. 136-137 Lesson 7: <i>Area of Irregular Figures</i> pp. 138-139 Lesson 8: <i>Volume</i> pp. 140-141
Geometry Strand	
<i>Students will use visualization and spatial reasoning to analyze characteristics and properties of geometric shapes.</i>	

Math Content Standard	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
6.G.1 Calculate the length of corresponding sides of similar triangles, using proportional reasoning	Unit 7 – Lesson 6: <i>Area of Triangles</i> pp. 136-137
6.G.2 Determine the area of triangles and quadrilaterals (squares, rectangles, rhombi, and trapezoids) and develop formulas	Unit 7 – Lesson 5: <i>Areas of Rectangles and Parallelograms</i> pp. 134-135 Lesson 6: <i>Area of Triangles</i> pp. 136-137 Lesson 7: <i>Area of Irregular Figures</i> pp. 138-139
6.G.3 Use a variety of strategies to find the area of regular and irregular polygons	Unit 7 – Lesson 5: <i>Areas of Rectangles and Parallelograms</i> pp. 134-135 Lesson 6: <i>Area of Triangles</i> pp. 136-137 Lesson 7: <i>Area of Irregular Figures</i> pp. 138-139
6.G.4 Determine the volume of rectangular prisms by counting cubes and develop the formula	Unit 7 – Lesson 8: <i>Volume</i> pp. 140-141
6.G.5 Identify radius, diameter, chords and central angles of a circle	Unit 6 – Lesson 4: <i>Circles</i> pp. 114-115
6.G.6 Understand the relationship between the diameter and radius of a circle	Unit 6 – Lesson 4: <i>Circles</i> pp. 114-115
6.G.7 Determine the area and circumference of a circle, using the appropriate formula	Unit 6 – Lesson 4: <i>Circles</i> pp. 114-115
6.G.9 Understand the relationship between the circumference and the diameter of a circle	Unit 6 – Lesson 4: <i>Circles</i> pp. 114-115
<i>Students will apply coordinate geometry to analyze problem solving situations.</i>	
6.G.10 Identify and plot points in all four quadrants	Unit 6 – Lesson 5: <i>The Coordinate Plane</i> pp. 116-117
6.G.11 Calculate the area of basic polygons drawn on a coordinate plane (rectangles and shapes composed of rectangles having sides with integer lengths)	Unit 7 – Lesson 6: <i>Area of Triangles</i> pp. 136-137
Measurement Strand	
<i>Students will determine what can be measured and how, using appropriate methods and formulas.</i>	
6.M.1 Measure capacity and calculate volume of a rectangular prism	Unit 7 – Lesson 8: <i>Volume</i> pp. 140-141
<i>Students will develop strategies for estimating measurements.</i>	
6.M.7 Estimate volume, area, and circumference (see figures identified in geometry strand)	Unit 7 – Lesson 5: <i>Areas of Rectangles and Parallelograms</i> pp. 134-135 Lesson 6: <i>Area of Triangles</i> pp. 136-137

Math Content Standard	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
	Lesson 7: <i>Area of Irregular Figures</i> pp. 138-139 Lesson 8: <i>Volume</i> pp. 140-141
6.M.8 Justify the reasonableness of estimates	Unit 2 – Lesson 3: <i>Addition and Subtraction</i> pp. 40-41
Statistics and Probability Strand	
<i>Students will collect, organize, display, and analyze data.</i>	
6.S.1 Develop the concept of sampling when collecting data from a population and decide the best method to collect data for a particular question	Unit 8 – Lesson 4: <i>Conducting Surveys</i> pp. 150-151
6.S.2 Record data in a frequency table	Unit 8 – Lesson 2: <i>Line Plots and Stem-and-Leaf Plots</i> pp. 146-147
6.S.4 Determine and justify the most appropriate graph to display a given set of data (pictograph, bar graph, line graph, histogram, or circle graph)	Unit 8 – Lesson 5: <i>Displaying Data</i> pp. 152-153
6.S.5 Determine the mean, mode and median for a given set of data	Unit 8 – Lesson 1: <i>Mean, Mode, and Median</i> pp. 144-145
6.S.6 Determine the range for a given set of data	Unit 8 – Lesson 2: <i>Line Plots and Stem-and-Leaf Plots</i> pp. 146-147
6.S.7 Read and interpret graphs	Unit 8 – Lesson 2: <i>Line Plots and Stem-and-Leaf Plots</i> pp. 146-147 Lesson 3: <i>Scales and Bar Graphs</i> pp. 148-149 Lesson 4: <i>Conducting Surveys</i> pp. 150-151 Lesson 5: <i>Displaying Data</i> pp. 152-153 Lesson 6: <i>Line Graphs</i> pp. 154-155
<i>Students will make predictions that are based upon data analysis.</i>	
6.S.8 Justify predictions made from data	Unit 8 – Lesson 7: <i>Probability</i> pp. 156-157 Lesson 8: <i>Probability Experiments</i> pp. 158-159
<i>Students will understand and apply concepts of probability.</i>	
6.S.9 List possible outcomes for compound events	Unit 8 – Lesson 7: <i>Probability</i> pp. 156-157 Lesson 8: <i>Probability Experiments</i> pp. 158-159
6.S.10 Determine the probability of dependent events	Unit 8 – Lesson 7: <i>Probability</i> pp. 156-157 Lesson 8: <i>Probability Experiments</i> pp. 158-159
6.S.11 Determine the number of possible outcomes for a compound event by	Unit 8 –

Math Content Standard	Math Elevations Level F (Grade 6) Teacher's Guide Examples/Lessons
using the fundamental counting principle and use this to determine the probabilities of events when the outcomes have equal probability	Lesson 7: <i>Probability</i> pp. 156-157 Lesson 8: <i>Probability Experiments</i> pp. 158-159