

## Math 7

State Standard Number	State Standard Area/Description	Unit Name	Course Topic Description
7.PS	Problem Solving		
0	Students will build new mathematical knowledge through problem solving.	Lesson 16: Percent of Change ***** Lesson 21: Combinations and Permutations	*Percent of Change Assignment p. 7 *Using Percents Assignment p. 12 * Lesson 16 Quiz p. 13 ***** * Permutations Assignment p. 9 *Combinations Assignment p. 13 Lesson 21 Quiz p. 14
7.PS.1	Use a variety of strategies to understand new mathematical content and to develop more efficient methods	Lesson 1: Integers Lesson 28: Transformations	*Number line, p. 6-7 *Tutorial: Graphing Translations p. 12
7.PS.2	Construct appropriate extensions to problem situations		
7.PS.3	Understand and demonstrate how written symbols represent mathematical ideas	Lesson 32: Number Concepts	*Translating Words Assignment p. 8
0	Students will solve problems that arise in mathematics and in other contexts.		
7.PS.4	Observe patterns and formulate generalizations	Lesson 34: Patterns	* Identify and Extend Patterns Assignment p. 9 * Find Patterns to Complete Sequences p. 13 Lesson 34 Quiz p.15

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7.PS.5	Make conjectures from generalizations	Lesson 20: Probability	* Probability Assignment p. 19
7.PS.6	Represent problem situations verbally, numerically, algebraically, and graphically	Lesson 35: Functions, Graphs, and Linear Equations ***** Lesson 32: Number Concepts	*Graphing Linear Functions, p. 12 ***** * Translating Words Assignment, p. 8
0	Students will apply and adapt a variety of appropriate strategies to solve problems.	Lesson 20: Probability ***** Lesson 21: Combinations and Permutations	*Counting Methods Assignment, p. 10 ***** * Permutations Assignment p. 9 *Combinations Assignment p. 13 Lesson 21 Quiz p. 14
7.PS.7	Understand that there is no one right way to solve mathematical problems but that different methods have advantages and disadvantages		
7.PS.8	Understand how to break a complex problem into simpler parts or use a similar problem type to solve a problem	Lesson 31: Ratios and Proportion	*Similar Figures Assignment, p. 13 *Lesson 31 Quiz, p. 14
7.PS.9	Work backwards from a solution		

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7.PS.10	Use proportionality to model problems	Lesson 31: Ratios and Proportions	*Ratios and Proportions Assignment p. 9  *Similar Figures Assignment, p. 13 *Lesson 31 Quiz, p. 14
7.PS.11	Work in collaboration with others to solve problems		
0	Students will monitor and reflect on the process of mathematical problem solving.		
7.PS.12	Interpret solutions within the given constraints of a problem	Lesson 36: Inequalities	* Solving Two-Step Inequalities

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7.PS.13	Set expectations and limits for possible solutions		
7.PS.14	Determine information required to solve the problem	Lesson 15: Percent of a Number	*Finding a Number when a Percent of It is Known, p. 10 *Tutorial: Finding the Percent One Number is of Another Number, p. 11 *Find the Percent Assignment, p. 12 Lesson 15 Quiz, p. 13
7.PS.15	Choose methods for obtaining required information		
7.PS.16	Justify solution methods through logical argument	Lesson 4: Comparing and Ordering Fractions	* Lesson 4 Quiz, p. 19
7.PS.17	Evaluate the efficiency of different representations of a problem		

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7.RP	Reasoning and Proof		
0	Students will recognize reasoning and proof as fundamental aspects of mathematics.		
7.RP.1	Recognize that mathematical ideas can be supported by a variety of strategies	Lesson 20: Probability ***** Lesson 21: Combinations and Permutations	*Counting Methods Assignment, p. 10 ***** * Permutations Assignment p. 9 *Combinations Assignment p. 13 Lesson 21 Quiz p. 14
0	Students will make and investigate mathematical conjectures.		
7.RP.2	Use mathematical strategies to reach a conclusion		

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7.RP.3	Evaluate conjectures by distinguishing relevant from irrelevant information to reach a conclusion or make appropriate estimates		
0	Students will develop and evaluate mathematical arguments and proofs.		
7.RP.4	Provide supportive arguments for conjectures		
7.RP.5	Develop, verify, and explain an argument, using appropriate mathematical ideas and language		
0	Students will select and use various types of reasoning and methods of proof.		
7.RP.6	Support an argument by using a systematic approach to test more than one case		
7.RP.7	Devise ways to verify results or use counterexamples to refute incorrect statements		
7.RP.8	Apply inductive reasoning in making and supporting mathematical conjectures		
7.CM	Communication		
0	Students will organize and consolidate their mathematical thinking through communication.	Lesson 31: Ratios and Proportions	Lesson 31 Quiz, p. 14
7.CM.1	Provide a correct, complete, coherent, and clear rationale for thought process used in problem solving	Lesson 31: Ratios and Proportions	Lesson 31 Quiz, p. 14
7.CM.2	Provide an organized argument which explains rationale for strategy selection	Lesson 4: Comparing and Ordering Fractions	* Lesson 4 Quiz, p. 19
7.CM.3	Organize and accurately label work	Lesson 4: Comparing and Ordering Fractions	* Lesson 4 Quiz, p. 19
0	Students will communicate their mathematical thinking coherently and clearly to peers, teachers, and others.	Lesson 31: Ratios and Proportions	Lesson 31 Quiz, p. 14 (to teachers)

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7.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	Lesson 35: Functions, Graphs, and Linear Equations ***** Lesson 32: Number Concepts	*Graphing Linear Functions, p. 12 ***** * Translating Words Assignment, p. 8
7.CM.5	Answer clarifying questions from others		
0	Students will analyze and evaluate the mathematical thinking and strategies of others.		
7.CM.6	Analyze mathematical solutions shared by others		
7.CM.7	Compare strategies used and solutions found by others in relation to their own work		
7.CM.8	Formulate mathematical questions that elicit, extend, or challenge strategies, solutions, and/or conjectures of others		
0	Students will use the language of mathematics to express mathematical ideas precisely.	Lesson 4: Comparing and Ordering Fractions	* Lesson 4 Quiz, p. 19
7.CM.9	Increase their use of mathematical vocabulary and language when communicating with others		
7.CM.10	Use appropriate language, representations, and terminology when describing objects, relationships, mathematical solutions, and rationale	Lesson 18: Solving Equations with Percents	*Lesson 18 Quiz, p. 12
7.CM.11	Draw conclusions about mathematical ideas through decoding, comprehension, and interpretation of mathematical visuals, symbols, and technical writing	Lesson 30: Graphs and Data Analysis *****	* Frequency Tables, Line Plots, and Line Graphs Assignment, p. 9 *Stem and Leaf Plots, Bar Graphs, Double Bar Graphs, Histograms Assignment, p. 14 * Box and Whisker Plots Assignment p. 17 * Lesson 30 Quiz p. 18 *****
7.CN	Connections		
0	Students will recognize and use connections among	Lesson 14: Connect Fractions, Decimals,	*Tutorial: Percent, Decimal, and Fraction

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	mathematical ideas.	Percents	*Conversion of Fractions, Decimals, and Percents Assignments, p. 12
7.CN.1	Understand and make connections among multiple representations of the same mathematical idea	Lesson 14: Connect Fractions, Decimals, Percents	*Tutorial: Percent, Decimal, and Fraction *Conversion of Fractions, Decimals, and Percents Assignments, p. 12
7.CN.2	Recognize connections between subsets of mathematical ideas	Lesson 14: Connect Fractions, Decimals, Percents	*Tutorial: Percent, Decimal, and Fraction *Conversion of Fractions, Decimals, and Percents Assignments, p. 12
7.CN.3	Connect and apply a variety of strategies to solve problems		
0	Students will understand how mathematical ideas interconnect and build on one another to produce a coherent whole.		
7.CN.4	Model situations mathematically, using representations to draw conclusions and formulate new situations		
7.CN.5	Understand how concepts, procedures, and mathematical results in one area of mathematics can be used to solve problems in other areas of mathematics	Lesson 26: Circles	* Circle Graphs Assignment, p. 15
0	Students will recognize and apply mathematics in contexts outside of mathematics.		
7.CN.6	Recognize and provide examples of the presence of mathematics in their daily lives		
7.CN.7	Apply mathematical ideas to problem situations that develop outside of mathematics		
7.CN.8	Investigate the presence of mathematics in careers and areas of interest		
7.CN.9	Recognize and apply mathematics to other disciplines, areas of interest, and societal issues		
7.R	Representation		
0	Students will create and use representations to organize,		

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	record, and communicate mathematical ideas.		
7.R.1	Use physical objects, drawings, charts, tables, graphs, symbols, equations, or objects created using technology as representations	Lesson 30: Graphs and Data Analysis	* Frequency Tables, Line Plots, and Line Graphs Assignment, p. 9 *Stem and Leaf Plots, Bar Graphs, Double Bar Graphs, Histograms Assignment, p. 14 * Box and Whisker Plots Assignment p. 17 * Lesson 30 Quiz p. 18
7.R.2	Explain, describe, and defend mathematical ideas using representations		
7.R.3	Recognize, compare, and use an array of representational forms	Lesson 14: Connect Fractions, Decimals, Percents	*Tutorial: Percent, Decimal, and Fraction *Conversion of Fractions, Decimals, and Percents Assignments, p. 12
7.R.4	Explain how different representations express the same relationship		
7.R.5	Use standard and non-standard representations with accuracy and detail		
0	Students will select, apply, and translate among mathematical representations to solve problems.	Lesson 14: Connect Fractions, Decimals, Percents	*Tutorial: Percent, Decimal, and Fraction *Conversion of Fractions, Decimals, and Percents Assignments, p. 12
7.R.6	Use representations to explore problem situations		
7.R.7	Investigate relationships between different representations and their impact on a given problem		
7.R.8	Use representation as a tool for exploring and understanding mathematical ideas		
0	Students will use representations to model and interpret physical, social, and mathematical phenomena.		
7.R.9	Use mathematics to show and understand physical phenomena (e.g., make and interpret scale		

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	drawings of figures or scale models of objects)		
7.R.10	Use mathematics to show and understand social phenomena (e.g., determine profit from sale of yearbooks)		
7.R.11	Use mathematics to show and understand mathematical phenomena (e.g., use tables, graphs, and equations to show a pattern underlying a function)	Lesson 30: Graphs and Data Analysis ***** Lesson 35: Functions, Graphs, and Linear Equations	* Frequency Tables, Line Plots, and Line Graphs Assignment, p. 9 * Stem and Leaf Plots, Bar Graphs, Double Bar Graphs, Histograms Assignment, p. 14 * Box and Whisker Plots Assignment p. 17 * Lesson 30 Quiz p. 18 ***** Lesson 35 Quiz
7.N	Number Sense and Operations		
0	Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems.	Lesson 14: Connect Fractions, Decimals, Percents	*Tutorial: Percents, Fractions, and Decimals p. 11 * Conversions of Fractions, Decimals, and Percents Assignment p. 12 Lesson 14 Quiz, p. 15
0	Number Systems		
7.N.1	Distinguish between the various subsets of real numbers (counting/natural numbers, whole numbers, integers, rational numbers, and irrational numbers)		
7.N.2	Recognize the difference between rational and irrational numbers (e.g., explore different approximations of pi)	Lesson 26: Circles	*Circumference of a Circles p. 7
7.N.3	Place rational and irrational numbers (approximations) on a number line and justify the placement of the numbers		
7.N.4	Develop the laws of exponents for multiplication and division		
7.N.5	Write numbers in scientific notation	Lesson 2: Exponents, Squares, and Square Roots	*Scientific Notation Assignment, p. 9 *Lesson 2 Quiz p. 14
7.N.6	Translate numbers from scientific notation into standard form	Lesson 2: Exponents, Squares, and Square Roots	*Scientific Notation Assignment, p. 9 * Lesson 2 Quiz p. 14

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7.N.7	Compare numbers written in scientific notation		
0	Number Theory		
7.N.8	Find the common factors and greatest common factor of two or more numbers	Lesson 4: Comparing and Ordering Fractions	*Simplifying Proper Fractions Assignment p. 13 * Lesson 4 Quiz p. 19
7.N.9	Determine multiples and least common multiple of two or more numbers	Lesson 4: Comparing and Ordering Fractions	*Least Common Multiple p. 16 * Comparing Fractions Assignments p. 17 * Lesson 4 Quiz p. 19
7.N.10	Determine the prime factorization of a given number and write in exponential form	Lesson 4: Comparing and Ordering Fractions	*Prime Factorization Assignment p. 11 * Lesson 4 Quiz p. 19
0	Students will understand meanings of operations and procedures, and how they relate to one another.	Lesson 3: Order of Operations	*Order of Operations with Addition, Subtraction, Multiplication, Division, and Parentheses Assignment p. 13 * Order of Operations Tutorial p. 14 *Lesson 3 Quiz p. 16
0	Operations		
7.N.11	Simplify expressions using order of operations Note: Expressions may include absolute value and/or integral exponents greater than 0.	Lesson 3: Order of Operations	*Order of Operations with Addition, Subtraction, Multiplication, Division, and Parentheses Assignment p. 13 * Order of Operations Tutorial p. 14 *Lesson 3 Quiz p. 16
7.N.12	Add, subtract, multiply, and divide integers	Lesson 1: Integers	*Adding Integers Tutorial: p. 10 *Adding Integers Assignment: p. 11  *Subtracting Integers Avatar p. 12 * Subtracting Integers Tutorial: p. 13 *Subtracting Integers Assignment p. 14 *Multiplying and Dividing Integers: p. 16 *Multiplying Integers Assignment: p. 17 *Dividing Integers

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			Assignment: p. 18 *Lesson 1 Quiz: p. 19
7.N.13	Add and subtract two integers (with and without the use of a number line)	Lesson 1: Integers	*Adding Integers Tutorial: p. 10 *Adding Integers Assignment: p. 11 *Subtracting Integers Avatar p. 12 * Subtracting Integers Tutorial: p. 13 *Subtracting Integers Assignment p. 14 *Lesson 1 Quiz p. 19
7.N.14	Develop a conceptual understanding of negative and zero exponents with a base of ten and relate to fractions and decimals (e.g., 10 to the -2 power = .01 = 1/100)	Lesson 2: Exponents, Squares, and Square Roots	Scientific Notation Assignment, p. 9 *Lesson 2 Quiz p. 14
7.N.15	Recognize and state the value of the square root of a perfect square (up to 225)	Lesson 2: Exponents, Squares, and Square Roots	*Tutorial: Squares and Square Roots p. 11 *Lesson 2 Quiz p. 14
7.N.16	Determine the square root of non-perfect squares using a calculator		
7.N.17	Classify irrational numbers as non-repeating/non-terminating decimals	Lesson 9: Place Value, Round, Compare and Order Decimals	Repeating and Terminating Decimals Assignments p. 13
0	Students will compute accurately and make reasonable estimates.	Lesson 8: Solving Equations with Fractions ***** Lesson 9: Place Value, Round, Compare and Order Decimals	*Estimating with Fractions and Mixed Numbers Assignment p. 8 ***** *Estimate Decimals Assignment p. 13 *Lesson 9 Quiz p. 14
0	Estimation		
7.N.18	Identify the two consecutive whole numbers between which the square root of a non-perfect square whole number less than 225 lies (with and without the use of a number line)	Lesson 2: Exponents, Squares, and Square Roots	*Estimating Square Roots p. 12 *Squares and Square Roots Assignment p. 13 *Lesson 2 Quiz p. 14
7.N.19	Justify the reasonableness of answers using estimation	Lesson 8: Solving Equations with Fractions ***** Lesson 9: Place Value, Round, Compare and Order Decimals	*Estimating with Fractions and Mixed Numbers Assignment p. 8 ***** *Estimate Decimals Assignment p. 13

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			*Lesson 9 Quiz p. 14
7.A	Algebra		
0	Students will represent and analyze algebraically a wide variety of problem solving situations.	Lesson 17: Simple Interest ***** Lesson 32: Number Concepts	*Finding Simple Interest Assignment p. 8 *Finding Interest Rate Assignment p. 10 *Finding Principal Assignment p. 12 Lesson 17 Quiz p. 15 ***** *Solving One-Step Equations Assignment p. 12
0	Variables and Expressions		
7.A.1	Translate two-step verbal expressions into algebraic expressions		
0	Students will perform algebraic procedures accurately.	Lesson 32: Number Concepts ***** Lesson 33: Properties of Numbers and Variable Expressions	*Solving One-Step Equations Assignment p. 12 Lesson 32 Quiz p. 13 ***** *Simplify Expressions Assignment p. 8 * Solving Multi-Step Equations Assignment p. 11 *Solving Equations with Variables on Both Sides p. 13 Lesson 33 Quiz p. 14
0	Variables and Expressions		
7.A.2	Add and subtract monomials with exponents of one		
7.A.3	Identify a polynomial as an algebraic expression containing one or more terms		
0	Equations and Inequalities		
7.A.4	Solve multi-step equations by combining like terms, using the distributive property, or moving variables to one side of the equation	Lesson 33: Properties of Numbers and Variable Expressions	* Solving Multi-Step Equations Assignment p. 11 *Solving Equations with Variables on Both Sides p. 13 Lesson 33 Quiz p. 14
7.A.5	Solve one-step inequalities (positive coefficients only)(See	Lesson 36: Inequalities	* Solving Inequalities with Addition and Subtraction p.

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	7.G.10)		11 * Lesson 36 Quiz (Pos and neg coefficients)
7.A.6	Evaluate formulas for given input values (surface area, rate, and density problems)	Lesson 27: Volumes and Surface Areas	* Surface Area of Prisms and Cylinders Assignment p. 17 * Lesson 27 Quiz
0	Students will recognize, use, and represent algebraically patterns, relations, and functions.	Lesson 34: Patterns ***** Lesson 35: Functions, Graphs, and Linear Equations	* Identify and Extend Patterns Assignment p. 9 * Find Patterns to Complete Sequences p. 13 Lesson 34 Quiz p.15 ***** *Lesson 35 Quiz
0	Patterns, Relations, and Functions		
7.A.7	Draw the graphic representation of a pattern from an equation or from a table of data	Lesson 35: Functions, Graphs, and Linear Equations	* Graphing Linear Functions Assignment p. 12
7.A.8	Create algebraic patterns using charts/tables, graphs, equations, and expressions	Lesson 34: Patterns	* Identify and Extend Patterns Assignment p. 9 * Find Patterns to Complete Sequences p. 13 Lesson 34 Quiz p.15
7.A.9	Build a pattern to develop a rule for determining the sum of the interior angles of polygons	Lesson 24: Quadrilaterals and Polygons	* Assignment: Angle Measure of Polygons p. 9
7.A.10	Write an equation to represent a function from a table of values	Lesson 35: Functions, Graphs, and Linear Equations	* Lesson 35 Quiz
7.G	Geometry		
0	Students will use visualization and spatial reasoning to analyze characteristics and properties of geometric shapes.	Lesson 23: Triangles ***** Lesson 24: Quadrilaterals and Other Polygons	* Classify Triangles Assignment p. 9 Lesson 23 Quiz ***** * Polygons Assignment p. 7 * Classify Quadrilaterals Assignment p. 12 Lesson 24 Quiz p. 15
0	Shapes		
7.G.1	Calculate the radius or diameter, given the circumference or area of a circle	Lesson 26: Circles	*Circumference of a Circle Assignment p. 8 * Area of a Circle Assignment p. 10 * Lesson 26 Quiz p. 16
7.G.2	Calculate the volume of prisms and cylinders, using a given	Lesson 27: Volumes and Surface Areas	* Volumes of Prisms and Cylinders Assignment p.

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	formula and a calculator		11 *Lesson 27 Quiz
7.G.3	Identify the two-dimensional shapes that make up the faces and bases of three-dimensional shapes (prisms, cylinders, cones, and pyramids)	Lesson 27: Volumes and Surface Areas	* Three-Dimensional Figures Assignment p. 8
7.G.4	Determine the surface area of prisms and cylinders, using a calculator and a variety of methods	Lesson 27: Volumes and Surface Areas	* Surface Area of Prisms and Cylinders Assignment p. 17 *Lesson 27 Quiz
0	Students will identify and justify geometric relationships, formally and informally.	Lesson 27: Volumes and Surface Areas	* Three-Dimensional Figures Assignment p. 8 *Lesson 27 Quiz
0	Geometric Relationships		
7.G.5	Identify the right angle, hypotenuse, and legs of a right triangle	Lesson 23: Triangles	* Pythagorean Theorem Assignment p. 13 *Lesson 23 Quiz
7.G.6	Explore the relationship between the lengths of the three sides of a right triangle to develop the Pythagorean Theorem	Lesson 23: Triangles	* Pythagorean Theorem Assignment p. 13 *Lesson 23 Quiz
7.G.7	Find a missing angle when given angles of a quadrilateral	Lesson 24: Quadrilaterals and Other Polygons	* Quadrilaterals p.10 * Lesson 24 Quiz p. 15
7.G.8	Use the Pythagorean Theorem to determine the unknown length of a side of a right triangle	Lesson 23: Triangles	* Pythagorean Theorem Assignment p. 13 * Lesson 23 Quiz
7.G.9	Determine whether a given triangle is a right triangle by applying the Pythagorean Theorem and using a calculator	Lesson 23: Triangles	* Pythagorean Theorem Assignment p. 13
0	Students will apply coordinate geometry to analyze problem solving situations.		
0	Coordinate Geometry		
7.G.10	Graph the solution set of an inequality (positive coefficients only) on a number line (See 7.A.5)	Lesson 36: Inequalities	* Read/Write/Graph Inequalities Assignment p. 8
7.M	Measurement		
0	Students will determine what can be measured and how, using appropriate methods and formulas.	Lesson 27: Volumes and Surface Areas	* Surface Area of Prisms and Cylinders Assignment p. 17 * Volumes of Pyramids and Cones p. 11 *Lesson 27 Quiz
0	Units of Measurement		

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7.M.1	Calculate distance using a map scale		
7.M.2	Convert capacities and volumes within a given system	Lesson 29: Measurement	*Liquid Volume or Capacity Assignment p. 15 * Lesson 29 Quiz
7.M.3	Identify customary and metric units of mass	Lesson 29: Measurement	*Weight or Mass Assignment p. 13
7.M.4	Convert mass within a given system	Lesson 29: Measurement	*Weight or Mass Assignment p. 13 Lesson 29 Quiz
7.M.5	Calculate unit price using proportions		
7.M.6	Compare unit prices		
7.M.7	Convert money between different currencies with the use of an exchange rate table and a calculator		
7.M.8	Draw central angles in a given circle using a protractor (circle graphs)	Lesson 26: Circles	* Circle Graphs, p. 14
0	Tools and Methods		
7.M.9	Determine the tool and technique to measure with an appropriate level of precision: mass		
0	Students will develop strategies for estimating measurements.		
0	Estimation		
7.M.10	Identify the relationships between relative error and magnitude when dealing with large numbers (e.g., money, population)		
7.M.11	Estimate surface area		
7.M.12	Determine personal references for customary /metric units of mass		
7.M.13	Justify the reasonableness of the mass of an object		
7.S	Statistics and Probability		
0	Students will collect, organize, display, and analyze data.		
0	Collection of Data		
7.S.1	Identify and collect data using a variety of methods		
0	Organization and Display of Data		
7.S.2	Display data in a circle graph	Lesson 26: Circles	* Circle Graphs, p. 14 * Circle Graphs

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			Assignment p. 15
7.S.3	Convert raw data into double bar graphs and double line graphs	Lesson 30: Graphs and Data Analysis	* Double Bar Graphs p. 12 * Assignment: Stem and Leaf Plots, Bar Graphs, Double Bar Graphs and Histograms p. 14
0	Analysis of Data		
7.S.4	Calculate the range for a given set of data	Lesson 19: Mean, Median, Mode, Range	* Mode and Range Assignment p. 10
7.S.5	Select the appropriate measure of central tendency	Lesson 19: Mean, Median, Mode, Range	* Best Fit Assignment p. 13
7.S.6	Read and interpret data represented graphically (pictograph, bar graph, histogram, line graph, double line/bar graphs or circle graph)	Lesson 26: Circles ***** Lesson 30: Graphs and Data Analysis	* Circle Graphs, p. 14 * Circle Graphs Assignment p. 15 ***** * Double Bar Graphs p. 12 * Histograms p. 13 * Assignment: Stem and Leaf Plots, Bar Graphs, Double Bar Graphs and Histograms p. 14
0	Students will make predictions that are based upon data analysis.	Lesson 30: Graphs and Data Analysis	*Tutorial: Analyzing Data p. 6
0	Predictions from Data		
7.S.7	Identify and explain misleading statistics and graphs		
0	Students will understand and apply concepts of probability.	Lesson 20: Probability	*Theoretical Probability Assignment p. 12 * Compound Events Assignment p. 15 * Probability Assignment p. 19 * Lesson 20 Quiz p. 20
0	Probability		
7.S.8	Interpret data to provide the basis for predictions and to establish experimental probabilities		
7.S.9	Determine the validity of sampling methods to predict outcomes		
7.S.10	Predict the outcome of an experiment		
7.S.11	Design and conduct an experiment to test predictions		
7.S.12	Compare actual results to		



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	predicted results		
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