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Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
8.NS.A.1	Know that numbers that are not rational are called irrational. Understand informally that every number has a decimal expansion; for rational numbers show that the decimal expansion repeats eventually, and convert a decimal expansion which repeats eventually into a rational number.	Textbook	4: Expanding Number Systems	1: The Real Number System	1: So Many Numbers, So Little Time: Sorting Numbers pp. M4-7–M4-16
		MATHia Software	4: Expanding Number Systems	1: Rational and Irrational Numbers	2: Rational Decisions: Rational and Irrational Numbers pp. M4-17–M4-30
					1: Introduction to Irrational Numbers
					2: Graphing Real Numbers on a Number Line
3: Ordering Rational and Irrational Numbers					
8.NS.A.2	Use rational approximations of irrational numbers to compare the size of irrational numbers locating them approximately on a number line diagram. Estimate the value of irrational expressions such as π^2 .	Textbook	4: Expanding Number Systems	1: The Real Number System	3: What Are Those?!: The Real Numbers pp. M4-31–M4-45
		MATHia Software	4: Expanding Number Systems	1: Rational and Irrational Numbers	1: Introduction to Irrational Numbers
					2: Graphing Real Numbers on a Number Line
					3: Ordering Rational and Irrational Numbers
8.EE.A.1	Know and apply the properties of integer exponents to generate equivalent numerical expressions.	Textbook	5: Applying Powers	1: Exponents and Scientific Notation	1: It's a Generational Thing: Properties of Powers with Integer Exponents pp. M5-7–M5-28
		MATHia Software	5: Applying Powers	1: Properties of Whole Number Exponents	2: Show What You Know: Analyzing Properties of Powers pp. M5-29–M5-42
					1: Using the Product Rule and the Quotient Rule
					2: Using the Power to a Power Rule
					3: Using the Product to a Power and the Quotient to a Power Rule
					4: Using Properties of Exponents with Whole Number Exponents
5: Simplifying Expressions with Negative and Zero Exponents					

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
8.EE.A.2	Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that $\sqrt{2}$ is irrational.	Textbook	4: Expanding Number Systems	1: The Real Number System	3: What Are Those?: The Real Numbers pp. M4-31–M4-45
				2: The Pythagorean Theorem	1: The Right Triangle Connection: The Pythagorean Theorem pp. M4-55–M4-74
					2: Can That Be Right?: The Converse of the Pythagorean Theorem pp. M4-75–M4-86
					3: Pythagoras Meets Descartes: Distances in a Coordinate System pp. M4-87–M4-98
		MATHia Software	4: Expanding Number Systems	4: Catty Corner: Side Lengths in Two- and Three-Dimensions pp. M4-99–M4-112	
				1: Rational and Irrational Numbers	1: Introduction to Irrational Numbers
2: The Pythagorean Theorem	2: Applying the Pythagorean Theorem				
3: Problem Solving Using the Pythagorean Theorem	3: Problem Solving Using the Pythagorean Theorem				
4: Calculating Distances on the Coordinate Plane	4: Calculating Distances on the Coordinate Plane				
8.EE.A.3	Use rational approximations of irrational numbers to compare the size of irrational numbers locating them approximately on a number line diagram. Estimate the value of irrational expressions such as π^2 .	Textbook	5: Applying Powers	1: Exponents and Scientific Notation	3: The Big and Small of It: Scientific Notation pp. M5-43–M5-60
		MATHia Software	5: Applying Powers	2: Scientific Notation	4: How Much Larger?: Operations with Scientific Notation pp. M5-61–M5-76
8.EE.A.4	Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities (e.g., use millimeters per year for seafloor spreading). Interpret scientific notation that has been generated by technology.	Textbook	5: Applying Powers	1: Exponents and Scientific Notation	2: Comparing Numbers using Scientific Notation
					3: The Big and Small of It: Scientific Notation pp. M5-43–M5-60

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
8.EE.A.4	Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities (e.g., use millimeters per year for seafloor spreading). Interpret scientific notation that has been generated by technology.	Textbook	5: Applying Powers	1: Exponents and Scientific Notation	4: How Much Larger?: Operations with Scientific Notation pp. M5-61–M5-76
		MATHia Software	5: Applying Powers	2: Scientific Notation	1: Using Scientific Notation
8.EE.B.5	Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways.	Textbook	2: Developing Function Foundations	1: From Proportions to Linear Relationships	1: Post-Secondary Proportions: Representations of Proportional Relationships pp. M2-7–M2-22
		MATHia Software	2: Developing Function Foundations	2: Linear Models	2: Jack and Jill, Went Up the Hill: Using Similar Triangles to Describe the Steepness of a Line pp. M2-23–M2-42 1: Graphing Linear Relationships
8.EE.B.6	Use similar triangles to explain why the slope m is the same between any two distinct points on a non-vertical line in the coordinate plane; know and derive the equation $y = mx$ for a line through the origin and the equation $y = mx + b$ for a line intercepting the vertical axis at b .	Textbook	2: Developing Function Foundations	1: From Proportions to Linear Relationships	2: Jack and Jill, Went Up the Hill: Using Similar Triangles to Describe the Steepness of a Line pp. M2-23–M2-42
					3: Slippery Slopes: Exploring Slopes Using Similar Triangles pp. M2-43–M2-52
					4: Up, Down, and All Around: Transformations of Lines pp. M2-53–M2-72
8.EE.C.7	Solve linear equations in one variable.	Textbook	3: Modeling Linear Equations	1: Solving Linear Equations	3: Tic-Tac-Bingo: Creating Linear Equations pp. M3-31–M3-38
8.EE.C.7a	Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form $x = a$, $a = a$, or $a = b$ results (where a and b are different numbers).	Textbook	3: Modeling Linear Equations	1: Solving Linear Equations	2: MP3s and DVDs: Analyzing and Solving Linear Equations pp. M3-17–M3-30

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
8.EE.C.7a	Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form $x = a$, $a = a$, or $a = b$ results (where a and b are different numbers).	Textbook	3: Modeling Linear Equations	1: Solving Linear Equations	3: Tic-Tac-Bingo: Creating Linear Equations pp. M3-31–M3-38
		MATHia Software	3: Modeling Linear Equations	2: Linear Equations with Variables on Both Sides	3: Solving Equations with One Solution, Infinite, and No Solutions 4: Sorting Equations by Number of Solutions
8.EE.C.7b	Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.	Textbook	3: Modeling Linear Equations	1: Solving Linear Equations	1: Strategic Solving: Equations with Variables on Both Sides pp. M3-7–M3-16 3: Tic-Tac-Bingo: Creating Linear Equations pp. M3-31–M3-38
		MATHia Software	3: Modeling Linear Equations	1: Solving Linear Equations	1: Exploring Two-Step Equations
				2: Linear Equations with Variables on Both Sides	2: Solving Multi-Step Equations
				2: Linear Equations with Variables on Both Sides	1: Solving with Integers (No Type In) 2: Solving with Integers (Type In)
8.EE.C.8	Analyze and solve systems of two linear equations.	Textbook	3: Modeling Linear Equations	2: Systems of Linear Equations	3: The County Fair: Using Substitution to Solve Linear Systems pp. M3-75–M3-92
					4: Rockin' Roller Rinks: Choosing a Method to Solve a Linear System pp. M3-93–M3-104
8.EE.C.8a	Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously.	Textbook	3: Modeling Linear Equations	2: Systems of Linear Equations	1: Crossing Paths: Point of Intersection of Linear Graphs pp. M3-47–M3-60
					2: The Road Less Traveled: Systems of Linear Equations pp. M3-61–M3-74
					3: The County Fair: Using Substitution to Solve Linear Systems pp. M3-75–M3-92
		MATHia Software	3: Modeling Linear Equations	3: Systems of Linear Equations	4: Rockin' Roller Rinks: Choosing a Method to Solve a Linear System pp. M3-93–M3-104 1: Modeling Linear Systems Involving Integers 2: Modeling Linear Systems Involving Decimals

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
8.EE.C.8b	Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection.	Textbook	3: Modeling Linear Equations	2: Systems of Linear Equations	3: The County Fair: Using Substitution to Solve Linear Systems pp. M3-75–M3-92
		MATHia Software	3: Modeling Linear Equations	3: Systems of Linear Equations	4: Rockin' Roller Rinks: Choosing a Method to Solve a Linear System pp. M3-93–M3-104
					1: Modeling Linear Systems Involving Integers
2: Modeling Linear Systems Involving Decimals					
8.EE.C.8c	Solve real-world and mathematical problems leading to two linear equations in two variables	Textbook	3: Modeling Linear Equations	2: Systems of Linear Equations	3: The County Fair: Using Substitution to Solve Linear Systems pp. M3-75–M3-92
		MATHia Software	3: Modeling Linear Equations	3: Systems of Linear Equations	4: Rockin' Roller Rinks: Choosing a Method to Solve a Linear System pp. M3-93–M3-104
					1: Modeling Linear Systems Involving Integers
2: Modeling Linear Systems Involving Decimals					
8.F.A.1	Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output. (Function notation is not required in 8th grade.)	Textbook	2: Developing Function Foundations	3: Introduction to Functions	1: Patterns, Sequences, Rules . . . : Analyzing Sequences as Rules pp. M2-197–M2-188
		MATHia Software	2: Developing Function Foundations	5: Relations and Functions	3: One or More Xs to One Y: Defining Functional Relationships pp. M2-205–M2-222
					1: Exploring Functions
2: Exploring Graphs of Functions					
3: Classifying Relations and Functions					
8.F.A.2	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	Textbook	2: Developing Function Foundations	3: Introduction to Functions	5: Comparing Apples to Oranges: Comparing Functions Using Different Representations pp. M2-241–M2-256
8.F.A.3	Know and interpret the equation $y = mx + b$ as defining a linear function, whose graph is a straight line; give examples of functions that are not linear.	Textbook	2: Developing Function Foundations	3: Introduction to Functions	4: Over the River and Through the Woods: Describing Functions pp. M2-223–M2-240
		MATHia Software	2: Developing Function Foundations	2: Linear Models	1: Graphing Linear Relationships

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)	
8.F.B.4	Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models and in terms of its graph or a table of values.	Textbook	2: Developing Function Foundations	2: Linear Relationships	1: U.S. Shirts: Using Tables, Graphs, and Equations pp. M2-81–M2-92	
					2: At the Arcade: Linear Relationships in Tables pp. M2-93–M2-108	
					3: Dining, Dancing, and Driving: Linear Relationships in Contexts pp. M2-109–M2-118	
					4: Derby Day: Slope-Intercept Form of a Line pp. M2-119–M2-134	
					5: What's the Point?: Point-Slope Form of a Line pp. M2-135–M2-150	
					6: The Arts Are Alive: Using Linear Equations pp. M2-151–M2-167	
					3: Introduction to Functions	4: Over the River and Through the Woods: Describing Functions pp. M2-223–M2-240
		MATHia Software	2: Developing Function Foundations	1: Linear Models and the Distributive Property	1: Modeling Integer Rates of Change	
					2: Modeling Fractional Rates of Change	
					3: Modeling using the Distributive Property over Division	
				2: Linear Models	2: Graphing Given an Integer Slope and y -intercept	
					3: Graphing Given a Decimal Slope and y -intercept	
					4: Modeling Linear Equations in Standard Form	
				3: Graphs of Linear Equations in Two Variables	1: Graphing Linear Equations using a Given Method	
					2: Graphing Linear Equations using a Chosen Method	
				4: Writing Equations of a Line	1: Modeling Given Slope and a Point	
					2: Calculating Slopes	
3: Modeling Linear Equations Given Two Points						
4: Modeling Linear Equations Given an Initial Point						
5: Relations and Functions	5: Modeling Linear Functions using Multiple Representations					
	4: Identifying Key Characteristics of Graphs of Functions					

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
8.F.B.5	Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.	Textbook	2: Developing Function Foundations	3: Introduction to Functions	2: Once Upon a Graph: Analyzing the Characteristics of Graphs of Relationships pp. M2-189–M2-204
					4: Over the River and Through the Woods: Describing Functions pp. M2-223–M2-240
8.G.A.1	Verify experimentally the properties of rotations, reflections, and translations.	Textbook	1: Transforming Geometric Objects	1: Rigid Motion Transformations	1: Patty Paper, Patty Paper: Introduction to Congruent Figures pp. M1-7–M1-16
			2: Developing Function Foundations	1: From Proportions to Linear Relationships	2: Slides, Flips, and Spins: Introduction to Rigid Motions pp. M1-17–M1-38 4: Up, Down, and All Around: Transformations of Lines pp. M2-53–M2-72
8.G.A.1a	Lines are taken to lines, and line segments to line segments of the same length.	Textbook	1: Transforming Geometric Objects	1: Rigid Motion Transformations	1: Patty Paper, Patty Paper: Introduction to Congruent Figures pp. M1-7–M1-16
			2: Developing Function Foundations	1: From Proportions to Linear Relationships	2: Slides, Flips, and Spins: Introduction to Rigid Motions pp. M1-17–M1-38 4: Up, Down, and All Around: Transformations of Lines pp. M2-53–M2-72
8.G.A.1b	Angles are taken to angles of the same measure.	Textbook	1: Transforming Geometric Objects	1: Rigid Motion Transformations	1: Patty Paper, Patty Paper: Introduction to Congruent Figures pp. M1-7–M1-16
			2: Developing Function Foundations	1: From Proportions to Linear Relationships	2: Slides, Flips, and Spins: Introduction to Rigid Motions pp. M1-17–M1-38 4: Up, Down, and All Around: Transformations of Lines pp. M2-53–M2-72
8.G.A.1c	Parallel lines are taken to parallel lines.	Textbook	1: Transforming Geometric Objects	1: Rigid Motion Transformations	1: Patty Paper, Patty Paper: Introduction to Congruent Figures pp. M1-7–M1-16
			2: Developing Function Foundations	1: From Proportions to Linear Relationships	2: Slides, Flips, and Spins: Introduction to Rigid Motions pp. M1-17–M1-38 4: Up, Down, and All Around: Transformations of Lines pp. M2-53–M2-72

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
8.G.A.2	Describe the effect of dilations, translations, rotations, and reflections on two dimensional figures using coordinates.	Textbook	1: Transforming Geometric Objects	1: Rigid Motion Transformations	3: Lateral Moves: Translations of Figures on the Coordinate Plane pp. M1-39–M1-52
					4: Mirror, Mirror: Reflections of Figures on the Coordinate Plane pp. M1-53–M1-66
					5: Half Turns and Quarter Turns: Rotations of Figures on the Coordinate Plane pp. M1-67–M1-82
					6: Every Which Way: Combining Rigid Motions pp. M1-83–M1-97
				2: Similarity	2: Rising, Running, Stepping, Scaling: Dilating Figures on the Coordinate Plane pp. M1-125–M1-140
				MATHia Software	1: Transforming Geometric Objects
		2: Reflecting Plane Figures			
		3: Rotating Plane Figures			
		4: Dilating Plane Figures			
		5: Performing One Transformation			
6: Performing Multiple Transformations					
8.G.A.3	Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles.	Textbook	1: Transforming Geometric Objects	3: Line and Angle Relationships	1: Pulling a One-Eighty!: Triangle Sum and Exterior Angle Theorems pp. M1-167–M1-180
					2: Criss Cross Applesauce: Angle Relationships Formed by Lines Intersected by a Transversal pp. M1-181–M1-202
					3: The Vanishing Point: The Angle-Angle Similarity Theorem pp. M1-203–M1-212
		MATHia Software	1: Transforming Geometric Objects	2: Lines Cut by a Transversal	1: Classifying Angles Formed by Transversals
					2: Reasoning About Angles Formed by Transversals
					3: Calculating Angle Measures Formed by Transversals

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
8.G.B.4	Explain a proof of the Pythagorean Theorem and its converse.	Textbook	4: Expanding Number Systems	2: The Pythagorean Theorem	1: The Right Triangle Connection: The Pythagorean Theorem pp. M4-55–M4-74 2: Can That Be Right?: The Converse of the Pythagorean Theorem pp. M4-75–M4-86
		MATHia Software	4: Expanding Number Systems	2: The Pythagorean Theorem	1: Exploring the Pythagorean Theorem
8.G.B.5	Know and apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.	Textbook	4: Expanding Number Systems	2: The Pythagorean Theorem	1: The Right Triangle Connection: The Pythagorean Theorem pp. M4-55–M4-74 2: Can That Be Right?: The Converse of the Pythagorean Theorem pp. M4-75–M4-86 4: Catty Corner: Side Lengths in Two- and Three-Dimensions pp. M4-99–M4-112
		MATHia Software	4: Expanding Number Systems	2: The Pythagorean Theorem	2: Applying the Pythagorean Theorem 3: Problem Solving using the Pythagorean Theorem
8.G.B.6	Apply the Pythagorean Theorem to find the distance between two points in a coordinate system	Textbook	4: Expanding Number Systems	2: The Pythagorean Theorem	3: Pythagoras Meets Descartes: Distances in a Coordinate System pp. M4-87–M4-98
		MATHia Software	4: Expanding Number Systems	2: The Pythagorean Theorem	4: Calculating Distances on the Coordinate Plane
8.G.C.7	Know and understand the formulas for the volumes of cones, cylinders, and spheres, and use them to solve real-world and mathematical problems.	Textbook	5: Applying Powers	2: Volume of Curved Figures	1: Drum Roll, Please!: Volume of a Cylinder pp. M5-85–M5-98
					2: Cone of Silence: Volume of a Cone pp. M5-99–M5-112
					3: Pulled in All Directions: Volume of a Sphere pp. M5-113–M5-122
					4: Silos, Frozen Yogurt, and Popcorn: Volume Problems with Cylinders, Cones, and Spheres pp. M5-123–M5-132
		MATHia Software	5: Applying Powers	3: Volume	1: Calculating Volume of Cylinders
					2: Using Volume of Cylinders 3: Calculating Volume of Cones 4: Using Volume of Cones 5: Calculating Volume of Spheres 6: Using Volume of Spheres

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
8.SP.A.1	Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.	Textbook	2: Developing Function Foundations	4: Patterns in Bivariate Data	1: Pass the Squeeze: Analyzing Patterns in Scatter Plots pp. M2-267–M2-288
		MATHia Software	2: Developing Function Foundations	6: Lines of Best Fit	1: Estimating Lines of Best Fit
8.SP.A.2	Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line and informally assess the model fit by judging the closeness of the data points to the line.	Textbook	2: Developing Function Foundations	4: Patterns in Bivariate Data	2: Where Do You Buy Your Books?: Drawing Lines of Best Fit pp. M2-289–M2-304
		MATHia Software	2: Developing Function Foundations	1: Lines of Best Fit	3: Mia Is Growing Like a Weed: Analyzing Lines of Best Fit pp. M2-305–M2-318
8.SP.A.3	Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept.	Textbook	2: Developing Function Foundations	4: Patterns in Bivariate Data	1: Estimating Lines of Best Fit
		MATHia Software	2: Developing Function Foundations	1: Lines of Best Fit	2: Using Lines of Best Fit
8.SP.A.3	Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept.	Textbook	2: Developing Function Foundations	4: Patterns in Bivariate Data	2: Where Do You Buy Your Books?: Drawing Lines of Best Fit pp. M2-289–M2-304
		MATHia Software	2: Developing Function Foundations	1: Lines of Best Fit	3: Mia Is Growing Like a Weed: Analyzing Lines of Best Fit pp. M2-305–M2-318
8.SP.B.4	Find probabilities of compound events using organized lists, tables, tree diagrams, and simulation. Understand that, just as with simple events, the probability of a compound event is the fraction of outcomes in the sample space for which the compound event occurs. Represent sample spaces for compound events using methods such as organized lists, tables, and tree diagrams. For an event described in everyday language (e.g., “rolling double sixes”), identify the outcomes in the sample space which compose the event.	Textbook	4: Analyzing Populations and Probabilities	2: Compound Probability	4: The Stroop Test: Comparing Slopes and Intercepts of Data from Experiments pp. M2-319–M2-328
		MATHia Software	4: Analyzing Populations and Probabilities	2: Compound Probability	2: Using Lines of Best Fit
8.SP.B.4	Find probabilities of compound events using organized lists, tables, tree diagrams, and simulation. Understand that, just as with simple events, the probability of a compound event is the fraction of outcomes in the sample space for which the compound event occurs. Represent sample spaces for compound events using methods such as organized lists, tables, and tree diagrams. For an event described in everyday language (e.g., “rolling double sixes”), identify the outcomes in the sample space which compose the event.	Textbook	4: Analyzing Populations and Probabilities	2: Compound Probability	1: Evens or Odds?: Using Arrays to Organize Outcomes pp. M4-73–M4-88
					2: Three Girls and No Boys?: Using Tree Diagrams pp. M4-89–M4-100
					3: Pet Shop Probability: Determining Compound Probability pp. M4-101–M4-112
		MATHia Software	4: Analyzing Populations and Probabilities	2: Compound Probability	1: Calculating Compound Probabilities