

Curriculum Mapping

Math - Reveal Math 2

1st Nine Weeks

Brian Cheek - 2021

Module 2: Solve Percent Problems	Number of School Days: 5 days of instruction, 1 day of assessment, 6 total days
Module Vocabulary: percent of change, percent of increase, percent of decrease, taxes, gratuity, markup, selling price, wholesale cost, discount, markdown, interest, percent error	
Code for Indiana Standards: C = Computation, AF = Algebra and Functions, DSP = Data, Statistics and Probability, GM = Geometry, NS = Number Sense	

Lesson	Indiana Standard(s)	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
Lesson 2-1 Percent of Change	7.C.6	I can use proportional relationships to solve percent of change problems.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 2 Test, daily Standards Accountability System* (SAS)
Lesson 2-2 Tax	7.C.6	I can use proportional relationships to find the amount of tax charged for an item.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 2 Test, daily SAS
Lesson 2-3 Tips and Markup	7.C.6	I can use proportional relationships to find the amount to pay for a tip in the amount of markup on items.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 2 Test, daily SAS
Lesson 2-4 Discounts	7.C.6	I can use proportional relationships to find the amount of discount or marked down.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 2 Test, daily SAS
Lesson 2-5 Interest	7.C.6	I can use the simple interest formula to find the amount of interest earned for a given principal, at a given interest rate, for a given. Of time.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 2 Test, daily SAS
Lesson 2-6 Commission and Fees	7.C.6	I can use proportional relationships to find the amount of commission earned on sales and the amount of fees for certain services.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 2 Test, daily SAS
Lesson 2-7 Percent Error	7.C.6	I can use proportional relationships to solve percent error problems.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 2 Test, daily SAS

Module 3: Operations with Integers	Number of School Days: 4 days of instruction, 1 day of assessment, 5 total days
Module Vocabulary: opposites, additive inverse, order of operations	
Code for Indiana Standards: C = Computation, AF = Algebra and Functions, DSP = Data, Statistics and Probability, GM = Geometry, NS = Number Sense	

Lesson	Indiana Standard(s)	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
Lesson 3-1 Add Integers	7.C.1, 7.C.7	I can use different methods, including algebra tiles, number lines, or absolute value, to add integers.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 3 Test, daily SAS
Lesson 3-2 Subtract Integers	7.C.2, 7.C.7	I can use different methods, including algebra tiles, number lines, or the additive inverse, to subtract integers.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 3 Test, daily SAS
Lesson 3-3 Multiply Integers	7.C.3, 7.C.7, 7.C.8	I can use number lines and mathematical properties to multiply integers.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 3 Test, daily SAS
Lesson 3-4 Divide Integers	7.C.4, 7.C.7	I can use a related multiplication sentence to divide integers.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 3 Test, daily SAS
Lesson 3-5 Apply Integer Operations	7.C.7, 7.C.8	I can use the order of integer operations to evaluate expressions.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 3 Test, daily SAS

Module 4: Operations with Integers	Number of School Days: 6 days of instruction, 1 day of assessment, 7 total days
Module Vocabulary: repeating decimal, bar notation, terminating decimal, Associative Property, Commutative Property	
Code for Indiana Standards: C = Computation, AF = Algebra and Functions, DSP = Data, Statistics and Probability, GM = Geometry, NS = Number Sense	

Lesson	Indiana Standard(s)	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
Lesson 4-0 Classification of numbers	7.NS.3	I can use a Venn diagram to classify real numbers.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 4 Test, daily SAS
Lesson 4-1 Rational Numbers	7.C.1	I can divide rational numbers and convert fractions to decimal equivalents using division.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 4 Test, daily SAS
Lesson 4-2 Add Rational Numbers	7.C.7, 7.C.8	I can find the additive inverse of a rational number and add rational numbers.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 4 Test, daily SAS
Lesson 4-3 Subtract Rational Numbers	7.C.2, 7.C.7, 7.C.8	I can subtract rational numbers by adding the additive inverse.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 4 Test, daily SAS
Lesson 4-4 Multiply Rational Numbers	7.C.3, 7.C.7, 7.C.8	I can use the rules for multiplying integers to multiply rational numbers.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 4 Test, daily SAS
Lesson 4-5 Divide Rational Numbers	7.C.4, 7.C.7, 7.C.8	I can use the rules for dividing integers to divide rational numbers.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 4 Test, daily SAS
Lesson 4-6 Apply Rational Number Operations	7.C.7, 7.C.8	I can add, subtract, multiply, and divide rational numbers, including using those four operations to solve real-world problems.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 4 Test, daily SAS

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2nd Nine Weeks
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Module 5: Simplify Algebraic Expressions	Number of School Days: 4 days of instruction, 1 day of assessment, 5 total days
Module Vocabulary: term, like terms, constant, linear expression, monomial, factor (<i>verb</i>), factored form	
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Lesson	Indiana Standard(s)	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
Lesson 5-1 Simplify Algebraic Expressions	7.AF.1	I can simplify algebraic expressions by identifying and combining like terms.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 5 Test, daily SAS
Lesson 5-2 Add Linear Expressions	7.AF.1	I can use different methods to add linear expressions.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 5 Test, daily SAS
Lesson 5-3 Subtract Linear Expressions	7.AF.1	I can use different methods to subtract linear expressions.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 5 Test, daily SAS
Lesson 5-4 Factor Linear Expressions	7.AF.1	I can use GCF to factor linear expressions.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 5 Test, daily SAS
Lesson 5-5 Combine Operations with Linear Expressions	7.AF.1	I can combine operations to simplify linear expressions.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 5 Test, daily SAS

Module 6: Write and Solve Equations	Number of School Days: 7 days of instruction, 1 day of assessment, 8 total days
Module Vocabulary: equation, solution, equivalent equations, coefficient, rational coefficient, two-step equation, variable, slope	
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Lesson	Indiana Standard(s)	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
Lesson 6-1 Write and Solve One-Step Equations	7.AF.2, 7.C.8	I can write one-step equations involving integers and rational numbers and use inverse operations to solve the equations.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 6 Test, daily SAS
Lesson 6-2 Solve Two-Step Equations: $px + q = r$	7.AF.2	I can use inverse operations to solve two-step equations of the form $px + q = r$.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 6 Test, daily SAS
Lesson 6-3 Write and Solve Two-Step Equations: $px + q = r$	7.AF.2	I can write two-step equations of the form $px + q = r$ and use inverse operations to solve the equations.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 6 Test, daily SAS
Lesson 6-4 Solve Two-Step Equations: $p(x + q) = r$	7.AF.2	I can use inverse operations to solve two-step equations of the form $p(x + q) = r$.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 6 Test, daily SAS
Lesson 6-5 Write and Solve Two-Step Equations: $p(x + q) = r$	7.AF.2	I can write two-step equations of the form $p(x + q) = r$ and use inverse operations to solve the equations.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 6 Test, daily SAS
Lesson 6-6 Slope Part 1	7.AF.4	I can identify and describe situations with constant or varying rates of change.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 6 Test, daily SAS
Lesson 6-7 Slope Part 2	7.AF.5	I can graph a line given its slope and a point on the line and find the slope of a line given its graph.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 6 Test, daily SAS

Module 1: Proportional Relationships	Number of School Days: 6 days of instruction, 1 day of assessment, 7 total days
Module Vocabulary: complex fraction, proportional, nonproportional, constant of proportionality, origin, x-axis, ordered pair, x-coordinate, quadrant, y-axis, y-coordinate, unit rate	
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Lesson	Indiana Standard(s)	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
Lesson 1-1 Unit Rates Involving Ratios of Fractions	7.C.5	I can find unit rates when one or both quantities are fractions.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 1 Test, daily SAS
Lesson 1-2 Understand Proportional Relationships	7.C.5	I can use models and ratio reasoning to understand how a proportional relationship can exist between quantities.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 1 Test, daily SAS
Lesson 1-3 Tables of Proportional Relationships	7.AF.6, 7.AF.7	I can determine whether two quantities shown in a table are in a proportional relationship by testing for equivalent ratios.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 1 Test, daily SAS
Lesson 1-4 Graphs of Proportional Relationships	7.AF.6, 7.AF.7, 7.AF.8	I can determine if a relationship is proportional by analyzing its graph and explain what the points (0,0) and (1,r) mean on the graph of a proportional relationship.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 1 Test, daily SAS
Lesson 1-5 Equations of Proportional Relationships	7.AF.7, 7.AF.9	I can write equation to represent proportional relationships and identify the constant of proportionality in the equation representing a proportional relationship.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 1 Test, daily SAS
Lesson 1-6 Solve Problems Involving Proportional Relationships	7.C.6	I can solve problems involving proportional relationships by making a table, using a graph, or writing an equation.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 1 Test, daily SAS

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3rd Nine Weeks

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Module 7: Write and Solve Inequalities	Number of School Days: 5 days of instruction, 1 day of assessment, 6 total days
Module Vocabulary: inequality, Subtraction Property of Inequality, Addition Property of Inequality, inverse operations, coefficient, Division Property of Inequality, Multiplication Property of Inequality, negative, less than, less than or equal to, greater than, greater than or equal to, two-step inequality	
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Lesson	Indiana Standard(s)	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
Lesson 7-1 Solve One-Step Addition and Subtraction Inequalities	7.AF.3	I can use inverse operations to solve one-step addition and subtraction inequalities.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 7 Test, daily SAS
Lesson 7-2 Write and Solve One-Step Addition and Subtraction Inequalities	7.AF.3	I can write one-step addition and subtraction inequalities from real-world situation and use inverse operations to solve the inequalities.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 7 Test, daily SAS
Lesson 7-3 Solve One-Step Multiplication and Division Inequalities with Positive Coefficients	7.AF.3	I can use inverse operations to solve one-step multiplication and division inequalities with positive coefficients.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 7 Test, daily SAS
Lesson 7-4 Solve One-Step Multiplication and Division Inequalities with Negative Coefficients	7.AF.3	I can use inverse operations to solve one-step multiplication and division inequalities with negative coefficients.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	0.5	ALEKS, Module 7 Test, daily SAS
Lesson 7-5 Write and Solve One-Step Multiplication and Division Inequalities	7.AF.3	I can use inverse operations to solve one-step multiplication and division inequalities with negative coefficients.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 7 Test, daily SAS
Lesson 7-6 Write and Solve Two-Step Inequalities	7.AF.3	I can write two-step inequalities from real-world situations and use inverse operations to solve the inequalities.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 7 Test, daily SAS

Module 8: Geometric Figures	Number of School Days: 5 days of instruction, 1 day of assessment, 6 total days
Module Vocabulary: vertical angles, adjacent angles, complementary angles, supplementary angles, triangles, scale drawing, scale model, scale factor, polyhedron, prism, base, pyramid, face, edge, vertex, cylinder, cone	
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Lesson	Indiana Standard(s)	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
Lesson 8-1 Vertical and Adjacent Angles	7.GM.4	I can identify vertical and adjacent angles, and use them to write and solve equations to find unknown angle measures.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 8 Test, daily SAS
Lesson 8-2 Complementary and Supplementary Angles	7.GM.4	I can identify complementary and supplementary angles, and use them to write and solve equations to find unknown angle measures.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 8 Test, daily SAS
Lesson 8-3 Triangles	7.GM.1	I can classify and draw triangles, free hand, with tools, and with technology given certain conditions, such as angle measures or side lengths.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 8 Test, daily SAS
Lesson 8-4 Scale Drawings	7.GM.3	I can use ratio reasoning to find actual lengths and areas from a scale drawing and reproduce a scale drawing at a different scale.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 8 Test, daily SAS
Lesson 8-5 Three-Dimensional Figures	7.GM.7	I can describe three dimensional figures and determine the shapes resulting from horizontal, vertical, and angled cross-sections.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 8 Test, daily SAS

Module 9: Measure Figures

Number of School Days: 6 days of instruction, 1 day of assessment, 7 total days

Module Vocabulary: circumference, semicircle, area, volume, surface area, slant height

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Lesson	Indiana Standard(s)	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
Lesson 9-1 Circumference of Circles	7.GM.5	I can find the circumference of circles, given the radius or diameter, using the formula for the circumference of a circle, and find the radius or diameter of a circle, given its circumference.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 9 Test, daily SAS
Lesson 9-2 Area of Circles	7.GM.5	I can find the areas of circles, given the radius or diameter, using the formula for the area of a circle.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 9 Test, daily SAS
Lesson 9-3 Area of Composite Figures	7.GM.6	I can find areas of composite figures by decomposing the figures into known shapes, and then adding the areas of those shapes.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 9 Test, daily SAS
Lesson 9-4 Volume	7.GM.6	I can find volumes of prisms and pyramids by using formulas for volume of prisms and pyramids.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 9 Test, daily SAS
Lesson 9-5 Surface Area	7.GM.6	I can find the surface areas of solids by relating the nets of those solids to the formulas for surface area.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 9 Test, daily SAS
Lesson 9-6 Volume and Surface Area of Composite Figures	7.GM.6	I can find volumes and surface areas of composite figures by decomposing the figures into common solids and using the formulas for volume and surface area of those solids.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 9 Test, daily SAS

Curriculum Mapping

Math - Reveal Math 2

4th Nine Weeks

Brian Cheek - 2021

Module 10: Probability	Number of School Days: 4 days of instruction, 1 day of assessment, 5 total days
Module Vocabulary: likelihood, outcome, event, relative frequency, complementary events, sample space, theoretical probability, uniform probability model	
Code for Indiana Standards: C = Computation, AF = Algebra and Functions, DSP = Data, Statistics and Probability, GM = Geometry, NS = Number Sense	

Lesson	Indiana Standard(s)	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
Lesson 10-1 Find Likelihoods	7.DSP.5	I can describe the likelihood of an event as impossible, unlikely, equally likely to happen as not to happen, likely, or certain.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 10 Test, daily SAS
Lesson 10-2 Relative Frequency of Simple Events	7.DSP.6	I can find the relative frequency of an event and use it to predict the chance of that event occurring in the future.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 10 Test, daily SAS
Lesson 10-3 Theoretical Probability of Simple Events	7.DSP.7	I can find the theoretical probability of a simple event and its complement, and understand the relationship between them.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 10 Test, daily SAS
Lesson 10-4 Compare Probabilities of Simple Events	7.DSP.6, 7.DSP.7	I can understand what happens to the long/run relative frequency as the number of trials increases, and compare relative frequencies to theoretical probabilities.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 10 Test, daily SAS

Module 11: Sampling and Statistics	Number of School Days: 5 days of instruction, 1 day of assessment, 6 total days
Module Vocabulary: unbiased sample, simple random sample, systematic random sample, biased sample, convenience sample, voluntary response sample, statistics, survey, population, variability, double box plot, double dot plot, visual overlap	
Code for Indiana Standards: C = Computation, AF = Algebra and Functions, DSP = Data, Statistics and Probability, GM = Geometry, NS = Number Sense	

Lesson	Indiana Standard(s)	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
Lesson 11-1 Biased and Unbiased Samples	7.DSP.1, 7.DSP.2	I can identify biased and unbiased sampling methods and understand that inferences made are only valid if the sampling method is unbiased.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 11 Test, daily SAS
Lesson 11-2 Make Predictions	7.DSP.2	I can make predictions about a population based on data from a random sample.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 11 Test, daily SAS
Lesson 11-3 Generate Multiple Samples	7.DSP.2	I can understand how collecting multiple samples of data can help me determine how my predictions about a population might vary.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 11 Test, daily SAS
Lesson 11-4 Compare Two Populations	7.DSP.3	I can use the measures of center and measures of variation to compare two samples and make comparative inferences about two populations.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 11 Test, daily SAS
Lesson 11-5 Assess Visual Overlap	7.DSP.4	I can assess the amount of visual overlap between two distributions to make comparative inferences about two populations.	ALEKS, Reveal Math 2 online content, bound note-taking guides, small group collaboration	1	ALEKS, Module 11 Test, daily SAS