



ThinkUp!TM

with  i-Ready[®]

**Correlation of the TEKS Resource System
to ThinkUp! Math, Ready Texas Mathematics
and i-Ready Personalized Instruction Math Lessons**

MATH | Grade 8

TEKS Resource System		ThinkUp!	Ready Texas Mathematics & i-Ready Personalized Instruction Math Lessons	
Unit	TEKS	ThinkUp! Math	Ready Texas	i-Ready
Unit 1: Value and Magnitude of Rational Numbers	8.1A-8.1G 8.2A 8.2C 8.2D	Unit 1: Describe Relationships Between Sets of Real Numbers (8.2(A)) Unit 3: Convert Between Decimal and Scientific Notations (8.2(C)) Unit 4: Order Sets of Real Numbers (8.2(D))	Lesson 1: Understand Rational and Irrational Numbers (8.2.A, 8.2.B) Lesson 2: Compare and Order Real Numbers (8.2.D) Lesson 3: Scientific Notation (8.2.C)	Rational and Irrational Numbers Scientific Notation Approximating Irrational Numbers
Unit 2: Statistics with Univariate Data	8.1A-8.1G 8.11B 8.11C	Unit 33: Determine Mean Absolute Deviation (8.11(B)) Unit 34: Simulate Generating Random Samples (8.11(C))	Lesson 27: Mean Absolute Deviation (8.11.B)	Using Mean and Mean Absolute Deviation to Compare Data Random Samples Making Statistical Inferences
Unit 3: One-Variable Equations, Inequalities, and Their Applications	8.1A-8.1G 8.8A 8.8B 8.8C 8.12A 8.12B 8.12D	Unit 25: Write Equations or Inequalities and Write Problems Given Equations or Inequalities (8.8(A), 8.8(B)) Unit 26: Model and Solve Equations with Variables on Both Sides (8.8(C)) Unit 35: Compare the Cost of Credit (8.12(A)) Unit 36: Calculate the Cost of Repaying a Loan and Explore Payment Methods (8.12(B), 8.12(E)) Unit 37: Explore Investments and Calculate Simple and Compound Interest (8.12(C), 8.12(D))	Lesson 10: Write Equations and Inequalities for Problem Situations (8.8.A, 8.8.B, 8.8.C) Lesson 11: Solve Linear Equations with Rational Coefficients (8.8.B, 8.8.C) Lesson 28: Credit Costs (8.12.A) Lesson 29: Saving and Investing (8.12.C, 8.12.D)	Solve Multi-Step Equations, Part 1 Solve Multi-Step Equations, Part 2 Write and Solve Multi-Step Equations Understand Multi-Step Equations Practice: Write and Solve Multi-Step Equations Solving Linear Equations Solving Linear Equations with Rational Coefficients
Unit 4: Developing an Understanding of Slope and Y-Intercept	8.1A-8.1G 8.4A 8.4C	Unit 8: Use Similar Right Triangles to Understand Slope (8.4(A)) Unit 10: Use Data to Determine Rate of Change (Slope) and y-intercept (8.4(C))	Lesson 6: Represent Proportional Relationships (8.4.B, 8.4.C, 8.5.A, 8.5.E, 8.5.I)	Linear Equations and Slope Linear Functions, Rate of Change, and Initial Value Representing Proportional Relationships

TEKS Resource System		ThinkUp!	Ready Texas Mathematics & i-Ready Personalized Instruction Math Lessons	
Unit	TEKS	ThinkUp! Math	Ready Texas	i-Ready
Unit 5: Proportional and Non-Proportional Functions	8.1A-8.1G 8.4B 8.5A 8.5B 8.5E 8.5F 8.5G 8.5H 8.9A 8.12C 8.12G	Unit 9: Graph Proportional Relationships (8.4(B)) Unit 11: Represent Linear Proportional and Non-Proportional Situations (8.5(A), 8.5(B)) Unit 14: Solve Problems Involving Direct Variation (8.5(E)) Unit 15: Identify Proportional and Non-Proportional Situations (8.5(F), 8.5(H)) Unit 16: Identify Functions (8.5(G)) Unit 28: – Identify and Verify Values of x and y That Satisfy Two Equations (8.9(A)) Unit 37: Explore Investments and Calculate Simple and Compound Interest (8.12, 8.12(D)) Unit 39: Estimate the Cost of College and Devise a Savings Plan (8.12(G))	Lesson 4: Understand Functions (8.5.G) Lesson 5: Understand Proportional Relationships (8.5.H) Lesson 6: Represent Proportional Relationships (8.4.B, 8.4.C, 8.5.A, 8.5.E, 8.5.I) Lesson 7: Understand Linear Relationships (8.5.A, 8.5.I) Lesson 8: Represent Linear Relationships (8.5.B, 8.5.I) Lesson 9: Compare Proportional and Linear Relationships (8.5.F, 8.5.I) Lesson 29: Saving and Investing (8.12.C, 8.12.D) Lesson 30: College Expenses and Savings Plans (8.12.C, 8.12.G)	Understand Proportional Relationships Write Equations for Proportional Relationships Practice: Proportional Relationships Representing Proportional Relationships Linear Functions, Rate of Change, and Initial Value Linear Equations and Slope Concept of a Function
Unit 6: Statistics with Bivariate Data	8.1A-8.1G 8.4B 8.5A 8.5B 8.5C 8.5D 8.5I 8.11A	Unit 9: Graph Proportional Relationships (8.4(B)) Unit 11: Represent Linear Proportional and Non-Proportional Situations (8.5(A), 8.5(B)) Unit 12: Contrast Bivariate Sets of Data (8.5(C)) Unit 13: Use a Trend Line to Make Predictions (8.5(D)) Unit 17: Write an Equation to Model a Linear Relationship (8.5(I)) Unit 32: Construct a Scatterplot and Describe Bivariate Data (8.11(A))	Lesson 6: Represent Proportional Relationships (8.4.B, 8.4.C, 8.5.A, 8.5.E, 8.5.I) Lesson 7: Understand Linear Relationships (8.5.A, 8.5.I) Lesson 8: Represent Linear Relationships (8.5.B, 8.5.I) Lesson 9: Compare Proportional and Linear Relationships (8.5.F, 8.5.I) Lesson 25: Scatterplots (8.5.C, 8.11.A) Lesson 26: Scatterplots and Linear Models (8.5.D)	Understand Proportional Relationships Write Equations for Proportional Relationships Write Equations for Proportional Relationships Practice: Proportional Relationships Representing Proportional Relationships Linear Functions, Rate of Change, and Initial Value Linear Equations and Slope Linear Functions Linear Models Problem Solving with Linear Models Scatter Plots

TEKS Resource System		ThinkUp!	Ready Texas Mathematics & i-Ready Personalized Instruction Math Lessons	
Unit	TEKS	ThinkUp! Math	Ready Texas	i-Ready
Unit 7: Transformational Geometry	8.1A-8.1G 8.3A 8.3B 8.3C 8.10A 8.10B 8.10C 8.10D	Unit 5: Generalize That Ratios of Corresponding Sides Are Proportional (8.3(A)) Unit 6: Compare and Contrast Attributes of a Shape and Its Dilation (8.3(B)) Unit 7: Use Algebraic Representations to Explain the Effect of a Scale Factor (8.3(C)) Unit 29: Explore Orientation and Congruence of Transformations (8.10(A), 8.10(B)) Unit 30: Explain the Effects of Transformations on a Coordinate Plane (8.10(C)) Unit 31: Model the Effect of Dilations on Linear and Area Measurements (8.10(D))	Lesson 13: Understand Properties of Transformations (8.10.A) Lesson 14: Transformations and Congruence (8.10.B, 8.10.C) Lesson 15: Understand Similarity and Proportionality (8.3.A) Lesson 16: Dilations and Scale Factors (8.3.B, 8.3.C, 8.10.D)	Properties of Dilations Properties of Translations and Reflections Properties of Rotations
Unit 8: Angle and Triangle Relationships involving Real Numbers	8.1A-8.1G 8.2A 8.2B 8.2D 8.6C 8.7C 8.7D 8.8D	Unit 1: Describe Relationships Between Sets of Real Numbers (8.2(A)) Unit 2: Approximate and Locate the Value of an Irrational Number (8.2(B)) Unit 4: Order Sets of Real Numbers (8.2(D)) Unit 20: Use Models to Explain the Pythagorean Theorem (8.6(C)) Unit 23: Use the Pythagorean Theorem and Its Converse to Solve Problems (8.7(C)) Unit 24: Use the Pythagorean Theorem to Find Distance Between Points (8.7(D)) Unit 27: Use Informal Arguments to Establish Facts about Angle Relationships (8.8(D))	Lesson 1: Understand Rational and Irrational Numbers (8.2.A, 8.2.B) Lesson 2: Compare and Order Real Numbers (8.2.D) Lesson 17: Understand Angle Relationships (8.8.D) Lesson 18: Understand Angle Relationships in Triangles (8.8.D) Lesson 19: Understand the Pythagorean Theorem (8.6.C) Lesson 20: Solve Problems Using the Pythagorean Theorem (8.7.C) Lesson 21: Distance in the Coordinate Plane (8.7.D)	Rational and Irrational Numbers Approximating Irrational Numbers The Pythagorean Theorem Applications of the Pythagorean Theorem Geometric Properties involving Angles Angle Sums Properties Problem Solving with Angles

TEKS Resource System		ThinkUp!	Ready Texas Mathematics & i-Ready Personalized Instruction Math Lessons	
Unit	TEKS	ThinkUp! Math	Ready Texas	i-Ready
Unit 9: Measurement of Three-Dimensional Figures	8.1A-8.1G 8.6A 8.6B 8.7A 8.7B	Unit 18: Describe the Volume Formula of a Cylinder (8.6(A)) Unit 19: Model the Relationship Between the Volume of a Cylinder and a Cone (8.6(B)) Unit 21: Solve Volume Problems with Cylinders, Cones, and Spheres (8.7(A)) Unit 22: Solve Lateral and Total Surface Area Problems (8.7(B))	Lesson 22: Understand Volume of Cylinders, Cones, and Spheres (8.6.A) Lesson 23: Solve Problems with Cylinders, Cones, and Spheres (8.7.A) Lesson 24: Find Lateral and Total Surface Area (8.7.B)	Volume of Cylinders, Cones, and Spheres Surface Area of Composed Figures
Unit 10: Making Connections	8.1A-8.1G 8.3C 8.4B 8.4C 8.5D 8.5G 8.5I 8.7C 8.8C 8.10C 8.12D	Unit 7: Use Algebraic Representations to Explain the Effect of a Scale Factor (8.3(C)) Unit 9: Graph Proportional Relationships (8.4(B)) Unit 10: Use Data to Determine Rate of Change (Slope) and y-intercept (8.4(C)) Unit 13: Use a Trend Line to Make Predictions (8.5(D)) Unit 16: Identify Functions (8.5(G)) Unit 17: Write an Equation to Model a Linear Relationship (8.5(I)) Unit 23: Use the Pythagorean Theorem and Its Converse to Solve Problems (8.7(C)) Unit 26: Model and Solve Equations with Variables on Both Sides (8.8(C)) Unit 30: Explain the Effects of Transformations on a Coordinate Plane (8.10(C))	Lesson 4: Understand Functions (8.5.G) Lesson 6: Represent Proportional Relationships (8.4.B, 8.4.C, 8.5.A, 8.5.E, 8.5.I) Lesson 7: Understand Linear Relationships (8.5.A, 8.5.I) Lesson 8: Represent Linear Relationships (8.5.B, 8.5.I) Lesson 9: Compare Proportional and Linear Relationships (8.5.F, 8.5.I) Lesson 10: Write Equations and Inequalities for Problem Situations (8.8.A, 8.8.B, 8.8.C) Lesson 11: Solve Linear Equations with Rational Coefficients (8.8.B, 8.8.C) Lesson 14: Transformations and Congruence (8.10.B, 8.10.C) Lesson 16: Dilations and Scale Factors (8.3.B, 8.3.C, 8.10.D)	Properties of Dilations Understand Proportional Relationships Write Equations for Proportional Relationships Practice: Proportional Relationships Representing Proportional Relationships Linear Functions, Rate of Change, and Initial Value Linear Models Problem Solving with Linear Models Concept of a Function Linear Equations and Slope The Pythagorean Theorem Applications of the Pythagorean Theorem Solve Multi-Step Equations, Part 1 Solve Multi-Step Equations, Part 2 Write and Solve Multi-Step Equations Understand Multi-Step Equations Practice: Write and Solve Multi-Step Equations Solving Linear Equations Solving Linear Equations with Rational Coefficients Properties of Translations and Reflections Properties of Rotations

TEKS Resource System		ThinkUp!	Ready Texas Mathematics & i-Ready Personalized Instruction Math Lessons	
Unit	TEKS	ThinkUp! Math	Ready Texas	i-Ready
Unit 10 cont'd: Making Connections		Unit 37: Explore Investments and Calculate Simple and Compound Interest (8.12, 8.12(D))	Lesson 20: Solve Problems Using the Pythagorean Theorem (8.7.C) Lesson 26: Scatterplots and Linear Models (8.5.D) Lesson 29: Saving and Investing (8.12.C, 8.12.D)	
Unit 11: Financial Planning	8.1A-8.1G 8.12A 8.12B 8.12C 8.12D 8.12E 8.12F 8.12G	Unit 35: Compare the Cost of Credit (8.12(A)) Unit 36: Calculate the Cost of Repaying a Loan and Explore Payment Methods (8.12(B), 8.12(E)) Unit 37: Explore Investments and Calculate Simple and Compound Interest (8.12, 8.12(D)) Unit 38: Analyze Financial Situations (8.12(F)) Unit 39: Estimate the Cost of College and Devise a Savings Plan (8.12(G))	Lesson 28: Credit Costs (8.12.A) Lesson 29: Saving and Investing (8.12.C, 8.12.D) Lesson 30: College Expenses and Savings Plans (8.12.C, 8.12.G)	

TEKS Resource System		ThinkUp!	Ready Texas Mathematics & i-Ready Personalized Instruction Math Lessons	
Unit	TEKS	ThinkUp! Math	Ready Texas	i-Ready
Unit 12: Financial Planning	8.1A-8.1G 8.4B 8.5A 8.5B 8.5C 8.5D 8.5I 8.9A 8.11A	Unit 9: Graph Proportional Relationships (8.4(B)) Unit 11: Represent Linear Proportional and Non-Proportional Situations (8.5(A), 8.5(B)) Unit 12: Contrast Bivariate Sets of Data (8.5(C)) Unit 13: Use a Trend Line to Make Predictions (8.5(D)) Unit 17: Write an Equation to Model a Linear Relationship (8.5(I)) Unit 28: – Identify and Verify Values of x and y That Satisfy Two Equations (8.9(A)) Unit 32: Construct a Scatterplot and Describe Bivariate Data (8.11(A))	Lesson 6: Represent Proportional Relationships (8.4.B, 8.4.C, 8.5.A, 8.5.E, 8.5.I) Lesson 7: Understand Linear Relationships (8.5.A, 8.5.I) Lesson 8: Represent Linear Relationships (8.5.B, 8.5.I) Lesson 9: Compare Proportional and Linear Relationships (8.5.F, 8.5.I) Lesson 25: Scatterplots (8.5.C, 8.11.A) Lesson 26: Scatterplots and Linear Models (8.5.D)	Understand Proportional Relationships Write Equations for Proportional Relationships Practice: Proportional Relationships Representing Proportional Relationships Linear Functions, Rate of Change and Initial Value Linear Equations and Slope Linear Functions Linear Models Problem Solving with Linear Models Linear Equations and Slope Scatter Plots