



# ThinkUp!<sup>TM</sup>

with  i-Ready<sup>®</sup>

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

**MATH | Grade 6**

TEKS Resource System		ThinkUp!	Ready Texas Mathematics & i-Ready Personalized Instruction Math Lessons	
Unit	TEKS	ThinkUp! Math	Ready Texas	i-Ready
<b>Unit 1:</b> Equivalent Forms of Fractions, Decimals, and Percents	6.1A-6.1G 6.4E 6.4F 6.4G 6.5B 6.5C	Unit 15: Represent Ratios, Percents, and Benchmark Fractions (6.4(E), 6.4(F)) Unit 16: Generate Equivalent Forms of Fractions, Decimals, and Percents (6.4(G)) Unit 19: Solve Real-World Problems Involving Percents (6.5(B)) Unit 20: Use Equivalent Fractions, Decimals, and Percents (6.5(C))	Lesson 4: Ratios, Fractions, Decimals and Percents (6.4.E, 6.4.F, 6.4.G, 6.5.C) Lesson 5: Solve Problems with Percent (6.5.B)	Understand Percent Concepts Solve Problems with Percent Expressing Fractions as Decimals Find Percent of a Number
<b>Unit 2:</b> Ordering Fractions, Decimals, and Integers	6.1A-6.1G 6.2A 6.2C 6.2D 6.4G	Unit 1: Classify Whole Numbers, Integers, and Rational Numbers (6.2(A)) Unit 3: Locate, Compare, and Order Integers and Rational Numbers (6.2(C)) Unit 4: Order Rational Numbers (6.2(D)) Unit 16: Generate Equivalent Forms of Fractions, Decimals, and Percents (6.4(G))	Lesson 4: Ratios, Fractions, Decimals and Percents (6.4.E, 6.4.F, 6.4.G, 6.5.C) Lesson 10: Understand Positive and Negative Numbers (6.2.B, 6.2.C) Lesson 11: Absolute Value and Ordering Numbers (6.2.C, 6.2.D) Lesson 12: Understand Rational Numbers (6.2.A)	Practice: Positive and Negative Numbers Understand Integers Order Positive and Negative Numbers Expressing Fractions as Decimals Understand Percent Concepts
<b>Unit 3:</b> Operations with Positive Fractions and Decimals	6.1A-6.1G 6.2E 6.3A 6.3B 6.3E	Unit 5: Interpret Fractions as Division (6.2(E)) Unit 6: Divide by a Rational Number and Multiply by Its Reciprocal (6.3(A)) Unit 7: Determine Changes in a Quantity When Multiplied by a Fraction (6.3(B)) Unit 10: Multiply and Divide Positive Rational Numbers Fluently (6.3(E))	Lesson 6: Fractions as Division (6.3.E) Lesson 7: Understand Division with Fractions (6.3.A) Lesson 8: Multiply and Divide with Fractions (6.3.B, 6.3.E)	Understand Fractions as Division

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<b>Unit 4:</b> Operations with Integers	6.1A-6.1G 6.2B 6.3C 6.3D	Unit 2: Identify a Number, Its Opposite, and Its Absolute Value (6.2(B)) Unit 8: Represent Integer Operations with Concrete Models (6.3(C)) Unit 9: Add, Subtract, Multiply, and Divide Integers Fluently (6.3(D))	Lesson 10: Understand Positive and Negative Numbers (6.2.B, 6.2.C) Lesson 11: Absolute Value and Ordering Numbers (6.2.C, 6.2.D)	Understand Absolute Value Understand Integers Practice: Positive and Negative Numbers Understand Addition with Integers Practice: Adding and Subtracting Integers Understand Distance on the Number Line
<b>Unit 5:</b> Proportional Reasoning with Ratios and Rates	6.1A-6.1G 6.4B 6.4C 6.4D 6.4E 6.4G 6.4H 6.5A 6.5B	Unit 12: Apply Qualitative and Quantitative Reasoning to Solve Problems (6.4(B)) Unit 13: Give Examples of Ratios as Multiplicative Comparisons of Two Quantities (6.4(C)) Unit 14: Give Examples of Rates as the Comparison by Division (6.4(D)) Unit 15: Represent Ratios, Percents, and Benchmark Fractions (6.4(E), 6.4(F)) Unit 16: Generate Equivalent Forms of Fractions, Decimals, and Percents (6.4(G)) Unit 17: Convert Units Within a Measurement System (6.4(H)) Unit 18: Represent Problems Involving Ratios and Rates (6.5(A)) Unit 19: Solve Real-World Problems Involving Percents (6.5(B))	Lesson 1: Ratios (6.4.C, 6.4.D) Lesson 2: Represent Ratios and Rates (6.5.A) Lesson 3: Making Predictions and Comparisons Using Ratios (6.4.B) Lesson 4: Ratios, Fractions, Decimals and Percents (6.4.E, 6.4.F, 6.4.G, 6.5.C) Lesson 5: Solve Problems with Percent (6.5.B) Lesson 24: Convert Measures (6.4.H)	Practice: Equivalent Ratios Equivalent Ratio Tables Solve Problems with Ratios and Unit Rates Find Percent of a Number Understand Ratio Concepts Understand Unit Rate Understand Percent Concepts Solve Problems with Percent Expressing Fractions as Decimals Solve Problems with Measurement Conversions Equivalent Ratios Graph Equivalent Ratios

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<b>Unit 6:</b> Equivalent Expressions and One-Variable Equations	6.1A-6.1G 6.7A 6.7B 6.7C 6.7D 6.9A 6.9B 6.9C 6.10A 6.10B	Unit 23: Generate Equivalent Numerical Expressions Using Order of Operations (6.7(A)) Unit 24: Distinguish Between Expressions and Equations; Determine If Two Expressions Are Equivalent (6.7(B), 6.7(C)) Unit 25: Generate Equivalent Expressions Using Properties of Operations (6.7(D)) Unit 29: Write Equations and Inequalities and Represent Solutions (6.9(A), 6.9(B)) Unit 30: Write Real-World Problems Given Equations and Inequalities (6.9(C)) Unit 31: Model and Solve Equations and Inequalities (6.10(A)) Unit 32: Determine If Given Values Make Equations or Inequalities True (6.10(B))	Lesson 16: Numerical Expressions with Exponents (6.7.A) Lesson 17: Algebraic Expressions and Equations (6.7.B) Lesson 18: Equivalent Expressions (6.7.C, 6.7.D) Lesson 19: Understand Solutions to Equations (6.9.A, 6.10.A, 6.10.B) Lesson 20: Solve Equations (6.9.A, 6.9.B, 6.9.C, 6.10.A, 6.10.B) Lesson 21: Solve Inequalities (6.9.A, 6.9.B, 6.9.C, 6.10.A, 6.10.B)	Numerical Expressions with Exponents Write and Evaluate Algebraic Expressions Algebraic Expressions with Exponents Practice: Numerical and Algebraic Expressions Equivalent Expressions and the Distributive Property Equivalent Expressions and Properties of Addition Practice: Equivalent Expressions Greatest Common Factor (GCF) Strategies to Add and Subtract Integers Practice: Strategies to Add and Subtract Integers Strategies to Add and Subtract Rationals Practice: Strategies to Add and Subtract Rationals Multiply Integers Equivalent Linear Expressions Practice: Equivalent Linear Expressions Reasons for Equivalent Linear Expressions Practice: GCF and LCM Least Common Multiple (LCM) Understand Addition with Integers Practice: Adding and Subtracting Integers Understand Inequalities Write and Solve Addition Equations
<b>Unit 7:</b> One-Variable Inequalities	6.1A-6.1G 6.9A 6.9B 6.9C 6.10A 6.10B	Unit 29: Write Equations and Inequalities and Represent Solutions (6.9(A), 6.9(B)) Unit 30: Write Real-World Problems Given Equations and Inequalities (6.9(C)) Unit 31: Model and Solve Equations and Inequalities (6.10(A)) Unit 32: Determine If Given Values Make Equations or Inequalities True (6.10(B))	Lesson 19: Understand Solutions to Equations (6.9.A, 6.10.A, 6.10.B) Lesson 20: Solve Equations (6.9.A, 6.9.B, 6.9.C, 6.10.A, 6.10.B) Lesson 21: Solve Inequalities (6.9.A, 6.9.B, 6.9.C, 6.10.A, 6.10.B)	Understand Inequalities Write and Solve Inequalities Write and Solve Addition Equations Write and Solve Multiplication Equations Practice: Write and Solve Equations Understand Algebraic Expressions Write and Evaluate Algebraic Expressions Algebraic Expressions with Exponents Practice: Numerical and Algebraic Expressions Solutions of Equations

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<b>Unit 8:</b> Algebraic Representations of Two-Variable Relationships	6.1A-6.1G 6.4A 6.6A 6.6B 6.6C 6.11A	Unit 11: Additive and Multiplicative Relationships (6.4(A)) Unit 21: Identify and Write Equations for Independent and Dependent Quantities (6.6(A), 6.6(B)) Unit 22: Represent a Situation in the Form of $y = kx$ or $y = x + b$ (6.6(C)) Unit 33: Graph Points in All Four Quadrants (6.11(A))	Lesson 22: Dependent and Independent Variables (6.6A, 6.6.B, 6.6.C) Lesson 23: Additive and Multiplicative Relationships (6.4.A)	Analyze Two-Variable Relationships Practice: Analyze Two-Variable Relationships Understand the Coordinate Plane	
<b>Unit 9:</b> Geometry and Measurement	6.1A-6.1G 6.4H 6.8A 6.8B 6.8C 6.8D	Unit 29: Write Equations and Inequalities and Represent Solutions (6.9(A), 6.9(B)) Unit 30: Write Real-World Problems Given Equations and Inequalities (6.9(C)) Unit 31: Model and Solve Equations and Inequalities (6.10(A)) Unit 32: Determine If Given Values Make Equations or Inequalities True (6.10(B))	Lesson 24: Convert Measures (6.4.H) Lesson 25: Understand Conditions for Triangles (6.8.A) Lesson 26: Area of Polygons (6.8.B, 6.8.C, 6.8.D) Lesson 27: Volume (6.8.C, 6.8.D)	Solve Problems with Measurement Conversions Angle Sums Properties Area of Parallelograms, Quadrilaterals, and Polygons	
<b>Unit 10:</b> Data Analysis	6.1A-6.1G 6.12A 6.12B 6.12C 6.12D 6.13A 6.13B	Unit 34: Represent Numeric Data Graphically (6.12(A)) Unit 35: Use Graphs to Describe Center, Shape, and Spread (6.12(B)) Unit 36: Summarize Numeric Data Using Numerical Summaries (6.12(C)) Unit 37: Summarize Categorical Data (6.12(D))	Lesson 28: Understand Statistical Questions (6.13.B) Lesson 29: Interpret Numeric Data (6.12.B, 6.12.C, 6.13.A) Lesson 30: Display and Summarize Numeric Data (6.12A, 6.12.C) Lesson 31: Interpret Categorical Data (6.12.D)	Box Plots Histograms Dot Plots Understanding Statistics Using Mean and Mean Absolute Deviation to Compare Data	Using Measures of Center and Variability to Compare Data Understand Mean and MAD Choice of Measures of Center and Variability

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<b>Unit 10, cont'd:</b> Data Analysis		Unit 39: Distinguish Between Data with Variability and Without (6.13(B))		
<b>Unit 11:</b> Personal Financial Literacy	6.1A-6.1G 6.14A 6.14B 6.14C 6.14D 6.14E 6.14F 6.14G 6.14H	Unit 40: Compare Features of Checking Accounts; Balance a Check Register (6.14(A), 6.14(C)) Unit 41: Distinguish Between Debit and Credit Cards; Explain Credit History and Credit Reports (6.14(B), 6.14(D), 6.14(E), 6.14(F)) Unit 42: Explain Various Methods to Pay for College; Compare Annual Salaries (6.14(G), 6.14(H))	Lesson 32: Checking Accounts (6.14.A, 6.14.B, 6.14.C) Lesson 33: Credit Reports (6.14E, 6.14F) Lesson 34: Paying for College (6.14.G) Lesson 35: Annual Salaries (6.14.H))	
<b>Unit 12:</b> Essential Understanding of Proportionality	6.1A-6.1G 6.4B 6.4G 6.4H 6.5A 6.5B	Unit 12: Apply Qualitative and Quantitative Reasoning to Solve Problems (6.4(B)) Unit 16: Generate Equivalent Forms of Fractions, Decimals, and Percents (6.4(G)) Unit 17: Convert Units Within a Measurement System (6.4(H)) Unit 18: Represent Problems Involving Ratios and Rates (6.5(A)) Unit 19: Solve Real-World Problems Involving Percents (6.5(B))	Lesson 2: Represent Ratios and Rates (6.5.A) Lesson 3: Making Predictions and Comparisons Using Ratios (6.4.B) Lesson 4: Ratios, Fractions, Decimals and Percents (6.4.E, 6.4.F, 6.4.G, 6.5.C) Lesson 5: Solve Problems with Percent (6.5.B) Lesson 24: Convert Measures (6.4.H)	Practice: Equivalent Ratios Equivalent Ratio Tables Solve Problems with Ratios and Unit Rates Find Percent of a Number Expressing Fractions as Decimals Understand Percent Concepts Solve Problems with Measurement Conversions Equivalent Ratios Graph Equivalent Ratios Solve Problems with Percent

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<b>Unit 13:</b> Essential Understanding of Equations	6.1A-6.1G 6.6C 6.8A 6.8C 6.8D 6.10A	Unit 22: Represent a Situation in the Form of $y = kx$ or $y = x + b$ (6.6(C)) Unit 26: Extend Knowledge of Triangles and Properties (6.8(A)) Unit 28: Solve Problems Involving Area and Volume (6.8(C), 6.8(D)) Unit 31: Model and Solve Equations and Inequalities (6.10(A))	Lesson 19: Understand Solutions to Equations (6.9.A, 6.10.A, 6.10.B) Lesson 20: Solve Equations (6.9.A, 6.9.B, 6.9.C, 6.10.A, 6.10.B) Lesson 21: Solve Inequalities (6.9.A, 6.9.B, 6.9.C, 6.10.A, 6.10.B) Lesson 22: Dependent and Independent Variables (6.6.A, 6.6.B, 6.6.C) Lesson 25: Understand Conditions for Triangles (6.8.A) Lesson 26: Area of Polygons (6.8.B, 6.8.C, 6.8.D) Lesson 27: Volume (6.8.C, 6.8.D)	Analyze Two-Variable Relationships Practice: Analyze Two-Variable Relationships Angle Sums Properties Area of Parallelograms, Quadrilaterals, and Polygons Understand Inequalities Write and Solve Inequalities Write and Solve Addition Equations Write and Solve Multiplication Equations