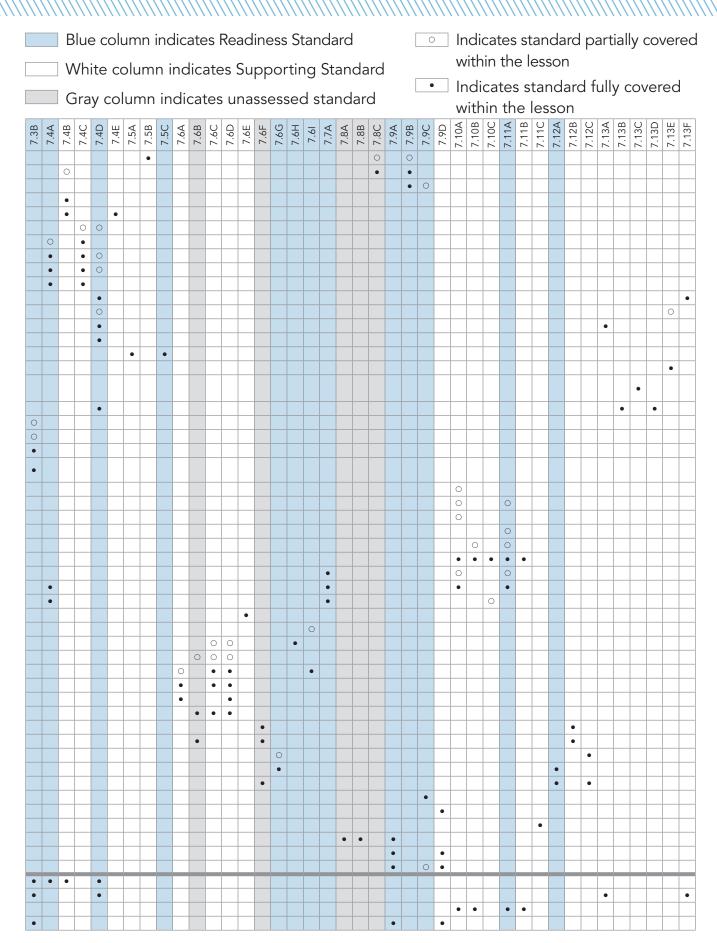# Grade 7
Texas Essential Knowledge and Skills (TEKS) Overview

This document provides an overview of the TEKS coverage in the Texas Math Solution for Grade 7.

Module	Topic	L#	Lesson Title	Lesson Subtitle	7.2A	7.3A
Module 1: Thinking Proportionally	Topic 1: Circles and Ratio	1	Pi: The Ultimate Ratio	Exploring the Ratio of Circle Circumference to Diameter		
		2	That's a Spicy Pizza	Area of Circles		
		3	Circular Reasoning	Solving Area and Circumference Problems		
	Topic 2: Fractional Rates	1	Making Punch	Unit Rate Representations		
		2	Eggzactly!	Solving Prolems with Ratios of Fractions		
		3	Tagging Sharks	Solving Proportions Using Means and Extremes		
	Topic 3: Proportionality	1	How Does Your Garden Grow?	Proportional Relationships		
		2	Complying with Title IX	Constant of Proportionality		
		3	Fish-Inches	Identifying the Constant of Proportionality in Graphs		
		4	Minding Your Ps and Qs	Constant of Proportionality in Multiple Representations		
Module 2: Applying Proportionality	Topic 1: Proportional Relationships	1	Markups and Markdowns	Introducing Proportions to Solve Percent Problems		
		2	Perks of Work	Calculating Tips, Commission, and Simple Interest		
		3	No Taxation Without Calculation	Sales Tax, Income Tax, and Fees		
		4	More Ups and Downs	Percent Increase and Percent Decrease		
		5	Pound for Pound, Inch for Inch	Scale and Scale Drawings		
	Topic 2: Financial Literacy: Interest and Budgets	1	Student Interest	Simple and Compound Interest		
		2	Aren't Peace, Love, and Understanding Worth Anything?	Net Worth Statements		
		3	Living Within Your Means	Personal Budgets		
Module 3: Reasoning Algebraically	Topic 1: Operating with Rational Numbers	1	All Mixed Up	Adding and Subtracting Rational Numbers	●	○
		2	Be Rational!	Quotients of Integers		○
		3	Building a Wright Brothers' Flyer	Simplifying Expressions to Solve Problems		●
		4	Properties Schmoperties	Using Number Properties to Interpret Expressions with Signed Numbers		●
	Topic 2: Algebraic Expressions	1	No Substitute for Hard Work	Evaluating Algebraic Expressions		●
		2	Mathematics Gymnastics	Rewriting Expressions Using the Distributive Property (6.7D)		●
		3	All My Xs	Combining Like Terms (6.7D)		
	Topic 3: Two-Step Equations and Inequalities	1	Picture Algebra	Modeling Equations as Equal Expressions		
		2	Expressions That Play Together . . .	Solving Equations on a Double Number Line		
		3	A Formal Affair	Using Inverse Operations to Solve Equations and Inequalities		
	Topic 4: Multiple Representations of Equations	1	Put It on the Plane	Representing Equations with Tables and Graphs		
		2	Deep Flight I	Building Inequalities and Equations to Solve Problems		
		3	Texas Tea and Temperature	Using Multiple Representations to Solve Problems		
Module 4: Analyzing Populations and Probabilities	Topic 1: Introduction to Probability	1	Rolling, Rolling, Rolling, . . .	Defining and Representing Probability		
		2	Give the Models a Chance	Probability Models		
		3	Toss the Cup	Determining Experimental Probability of Simple Events		
		4	A Simulating Conversation	Simulating Simple Experiments		
	Topic 2: Compound Probability	1	Evens or Odds?	Using Arrays to Organize Outcomes		
		2	Who Doesn't Love Puppies?!	Using Tree Diagrams		
		3	Pet Shop Probability	Determining Compound Probability		
		4	On a Hot Streak	Simulating Probability of Compound Events		
	Topic 3: Drawing Inferences	1	We Want to Hear From You!	Collecting Random Samples		
		2	Tiles, Gumballs, and Pumpkins	Using Random Samples to Draw Inferences		
		3	Raising the Bar	Bar Graphs		
		4	Dark or Spicy?	Comparing Two Populations		
		5	That's So Random	Using Random Samples from Two Populations to Draw Conclusions		
Module 5: Constructing and Measuring	Topic 1: Area and Surface Area	1	Slicing and Dicing	Composite Figures (6.8D)		
		2	Breaking the Fourth Wall	Surface Area of Rectangular Prisms and Pyramids		
		3	Seeing It From a Different Angle	Special Angle Relationships		
	Topic 2: Three-Dimensional Figures	1	Hey, Mister, Got Some Bird Seed?	Volume of Pyramids		
		2	Sounds Like Surface Area	Surface Area of Pyramids		
		3	More Than Four Sides of the Story	Volume and Surface Area of Prisms and Pyramids		
End of Course	Formative Assessment	1	Lawn Boy	Performance Task		
		2	Boot Bargains	Performance Task		
		3	How Many Treats	Performance Task		
		4	Backyard Shed	Performance Task		

7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A	7.6B	7.6C	7.6D	7.6E	7.6F	7.6G	7.6H	7.6I	7.7A	7.8A	7.8B	7.8C	7.9A	7.9B	7.9C	7.9D	7.10A	7.10B	7.10C	7.11A	7.11B	7.11C	7.12A	7.12B	7.12C	7.13A	7.13B	7.13C	7.13D	7.13E	7.13F
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Grade 7 TEKS Summary by Module and Topic	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A	7.6B	7.6C	7.6D	7.6E
Module 1 TEKS Summary				•	•	•	•	•		•						
M1 Topic 1 TEKS Summary					•					•						
M1 Topic 2 TEKS Summary					•	•	•	•								
M1 Topic 3 TEKS Summary				•		•	•									

	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A	7.6B	7.6C	7.6D	7.6E
Module 2 TEKS Summary							•		•		•					
M2 Topic 1 TEKS Summary							•		•		•					
M2 Topic 2 TEKS Summary							•									

	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A	7.6B	7.6C	7.6D	7.6E
Module 3 TEKS Summary	•	•	•	•												
M3 Topic 1 TEKS Summary	•	•	•													
M3 Topic 2 TEKS Summary (6.7D)		•														
M3 Topic 3 TEKS Summary (A12.E)**																
M3 Topic 4 TEKS Summary				•												

	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A	7.6B	7.6C	7.6D	7.6E
Module 4 TEKS Summary												•	•	•	•	•
M4 Topic 1 TEKS Summary													•	•	•	•
M4 Topic 2 TEKS Summary												•	•	•	•	
M4 Topic 3 TEKS Summary													•			

	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A	7.6B	7.6C	7.6D	7.6E
Module 5 TEKS Summary																
M5 Topic 1 TEKS Summary (6.8D)																
M5 Topic 2 TEKS Summary																

	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A	7.6B	7.6C	7.6D	7.6E
End of Course: Formative Assessment			•	•	•		•									

Grade 7 TEKS Summary by Module	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A	7.6B	7.6C	7.6D	7.6E
Module 1 TEKS Summary				•	•	•	•	•		•						
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Module 4 TEKS Summary												•	•	•	•	•
Module 5 TEKS Summary																
End of Course: Formative Assessment			•	•	•		•									

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7.6F	7.6G	7.6H	7.6I	7.7A	7.8A	7.8B	7.8C	7.9A	7.9B	7.9C	7.9D	7.10A	7.10B	7.10C	7.11A	7.11B	7.11C	7.12A	7.12B	7.12C	7.13A	7.13B	7.13C	7.13D	7.13E	7.13F
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Block 2

7.6F	7.6G	7.6H	7.6I	7.7A	7.8A	7.8B	7.8C	7.9A	7.9B	7.9C	7.9D	7.10A	7.10B	7.10C	7.11A	7.11B	7.11C	7.12A	7.12B	7.12C	7.13A	7.13B	7.13C	7.13D	7.13E	7.13F
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Block 3

7.6F	7.6G	7.6H	7.6I	7.7A	7.8A	7.8B	7.8C	7.9A	7.9B	7.9C	7.9D	7.10A	7.10B	7.10C	7.11A	7.11B	7.11C	7.12A	7.12B	7.12C	7.13A	7.13B	7.13C	7.13D	7.13E	7.13F
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Block 4

7.6F	7.6G	7.6H	7.6I	7.7A	7.8A	7.8B	7.8C	7.9A	7.9B	7.9C	7.9D	7.10A	7.10B	7.10C	7.11A	7.11B	7.11C	7.12A	7.12B	7.12C	7.13A	7.13B	7.13C	7.13D	7.13E	7.13F
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Block 5

7.6F	7.6G	7.6H	7.6I	7.7A	7.8A	7.8B	7.8C	7.9A	7.9B	7.9C	7.9D	7.10A	7.10B	7.10C	7.11A	7.11B	7.11C	7.12A	7.12B	7.12C	7.13A	7.13B	7.13C	7.13D	7.13E	7.13F
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Block 6

7.6F	7.6G	7.6H	7.6I	7.7A	7.8A	7.8B	7.8C	7.9A	7.9B	7.9C	7.9D	7.10A	7.10B	7.10C	7.11A	7.11B	7.11C	7.12A	7.12B	7.12C	7.13A	7.13B	7.13C	7.13D	7.13E	7.13F
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Block 7

7.6F	7.6G	7.6H	7.6I	7.7A	7.8A	7.8B	7.8C	7.9A	7.9B	7.9C	7.9D	7.10A	7.10B	7.10C	7.11A	7.11B	7.11C	7.12A	7.12B	7.12C	7.13A	7.13B	7.13C	7.13D	7.13E	7.13F
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