OER Secondary Mathematics

EDITION 1

Grade 7

TEKS Summary

Acknowledgment

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GRADE 7 TEKS SUMMARY

This document provides an overview of the TEKS coverage in Secondary Mathematics, Grade 7.

Module	Topic	Lesson	Lesson Title	Lesson TEKS	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A
Module 1: Thinking Proportionally	Topic 1: Circles and Ratio	Introduction Lesson		7.6D												
		1	Exploring the Ratio of Circle Circumference to Diameter	7.5B 7.8C 7.9B										•		
		2	Area of Circles	7.4B 7.8C 7.9B					•							
		3	Solving Area and Circumference Problems	7.9B 7.9C												
	Topic 2: Fractional Rates	1	Unit Rate Representations	7.4B					•							
		2	Solving Problems with Ratios of Fractions	7.4B 7.4E					•			•				
		3	Solving Proportions Using Means and Extremes	7.4D							•					
	Topic 3: Proportionality	1	Proportional Relationships	7.4A 7.4C				•		•						
		2	Constant of Proportionality	7.4A 7.4C 7.4D				•		•	•					
		3	Identifying the Constant of Proportionality in Graphs	7.4A 7.4C 7.4D				•		•	•					
		4	Constant of Proportionality in Multiple Representations	7.4A 7.4C				•		•						

GRADE 7 TEKS SUMMARY

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

Module	Topic	Lesson	Lesson Title	Lesson TEKS	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A
Module 2: Applying Proportionality	Topic 1: Proportional Relationships	1	Introducing Proportions to Solve Percent Problems	7.4C 7.4D 7.13F						•	•					
		2	Calculating Tips and Commission	7.4C 7.4D 7.13E						•	•					
		3	Sales Tax, Income Tax, and Fees	7.4C 7.4D 7.13A						•	•					
		4	Percent Increase and Percent Decrease	7.4D							•					
		5	Scale and Scale Drawings	7.5A 7.5C									•		•	
	Topic 2: Financial Literacy: Interest and Budgets	1	Simple and Compound Interest	7.13E												
		2	Net Worth Statements	7.13C												
		3	Personal Budgets	7.4D 7.13B 7.13D							•					

GRADE 7 TEKS SUMMARY

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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Module	Topic	Lesson	Lesson Title	Lesson TEKS	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A
Module 3: Reasoning Algebraically	Topic 1: Operating with Rational Numbers	1	Adding and Subtracting Rational Numbers	7.2A 7.3A **7.3B**	•	•	•									
		2	Quotients of Integers	7.3A **7.3B**		•	•									
		3	Simplifying Expressions to Solve Problems	7.3A **7.3B** **7.3D**		•	•				•					
		4	Using Number Properties to Interpret Expressions with Signed Numbers	7.3A **7.3B**		•	•									
		5	Evaluating Algebraic Expressions	7.3A **7.3B**		•	•									
		6	Rewriting Expressions Using the Distributive Property	7.3A **7.3B**		•	•									
	Topic 2: Two-Step Equations and Inequalities	1	Modeling Equations as Equal Expressions	7.10A 7.11A												
		2	Solving Equations Using Algebra Tiles	7.10B **7.11A** 7.11B												
		3	Solving Equations on a Double Number Line	7.10B **7.11A** 7.11B												
		4	Using Inverse Operations to Solve Equations	7.10A 7.10B 7.10C **7.11A** 7.11B												
		5	Using Inverse Operations to Solve Inequalities	7.10A 7.10B 7.10C **7.11A** 7.11B												
	Topic 3: Multiple Representations of Equations	1	Representing Equations with Tables and Graphs	**7.7A** 7.10A **7.11A**												
		2	Building Inequalities and Equations to Solve Problems	**7.4A** **7.7A** 7.10A **7.11A**				•								
		3	Using Multiple Representations to Solve Problems	**7.4A** **7.7A**				•								

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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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Module	Topic	Lesson	Lesson Title	Lesson TEKS	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A
Module 4: Analyzing Populations and Probabilities	Topic 1: Introduction to Probability	1	Defining and Representing Probability	7.6E **7.6H** **7.6I**												
		2	Probability Models	**7.6I**												
		3	Determining Experimental Probability of Simple Events	7.6C 7.6D **7.6H** **7.6I**												
		4	Simulating Simple Experiments	7.6B 7.6C 7.6D												
	Topic 2: Compound Probability	1	Using Arrays to Organize Outcomes	7.6A 7.6C 7.6D **7.6I**												•
		2	Using Tree Diagrams	7.6A **7.6I**												•
		3	Determining Compound Probability	7.6A 7.6D												•
		4	Simulating Probability of Compound Events	7.6B 7.6C 7.6D												
	Topic 3: Drawing Inferences	1	Collecting Random Samples	7.6F 7.12B												
		2	Using Random Samples to Draw Inferences	7.6B 7.6F 7.12B												
		3	Bar Graphs	**7.6G** 7.12C												
		4	Comparing Two Populations	**7.6G** **7.12A**												
		5	Using Random Samples from Two Populations to Draw Conclusions	7.6F **7.12A** 7.12C												

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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

Module	Topic	Lesson	Lesson Title	Lesson TEKS	7.2A	7.3A	7.3B	7.4A	7.4B	7.4C	7.4D	7.4E	7.5A	7.5B	7.5C	7.6A
Module 5: Constructing and Measuring	Topic 1: Angle Relationships	1	Solving Equations Using the Triangle Sum Theorem	7.11C												
		2	Relationships Between 90° and 180° Angles	7.11C												
		3	Special Angle Relationships	7.11C												
	Topic 2: Area, Surface Area, and Volume	1	Composite Figures	7.9C												
		2	Total Surface Area of Prisms and Pyramids	7.3A 7.9D		•										
		3	Volume of Prisms and Pyramids	7.8A 7.8B 7.9A												
		4	Volume and Surface Area Problems with Prisms and Pyramids	7.9A 7.9D												

GRADE 7 TEKS SUMMARY

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	7.6F
Module 1 TEKS Summary				•	•	•	•	•		•							
M1 Topic 1 TEKS Summary					•					•							
M1 Topic 2 TEKS Summary					•		•	•									
M1 Topic 3 TEKS Summary				•		•	•										
Module 2 TEKS Summary						•	•		•		•						
M2 Topic 1 TEKS Summary						•	•		•		•						
M2 Topic 2 TEKS Summary							•										
Module 3 TEKS Summary	•	•	•	•													
M3 Topic 1 TEKS Summary	•	•	•														
M3 Topic 2 TEKS Summary																	
M3 Topic 3 TEKS Summary				•													
Module 4 TEKS Summary												•	•	•	•	•	•
M4 Topic 1 TEKS Summary													•	•	•	•	
M4 Topic 2 TEKS Summary												•	•	•	•		
M4 Topic 3 TEKS Summary													•				•
Module 5 TEKS Summary		•															
M5 Topic 1 TEKS Summary																	
M5 Topic 2 TEKS Summary		•															

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	7.6F
Module 1 TEKS Summary				•	•	•	•	•		•							
Module 2 TEKS Summary						•	•		•		•						
Module 3 TEKS Summary	•	•	•	•													
Module 4 TEKS Summary												•	•	•	•	•	•
Module 5 TEKS Summary		•															

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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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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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