

mathmark TEKS Cluster Guide – Grade 7

Proportional Reasoning

Activity Title Student Expectations	Activity Topic	Type			Delivery		
		new learning	intervention	practice	teacher-facilitated	small groups	stations
Constant Rate of Change							
Traveling with Gulliver 7.4(A), 7.4(B)	Understand and Explore Constant Rate of Change	✓	✓		✓		
Unusual Speeds 7.4(A), 7.4(B)	Explore Constant Rate of Change	✓	✓		✓		
Going the Distance 7.4(A), 7.4(B)	Explore Constant Rate of Change			✓		✓	
M-Athletes 7.4(A), 7.4(B)	Understand, Calculate, and Represent Unit Rate	✓			✓		
Zombie Attack 7.4(A), 7.4(B)	Calculate and Represent Unit Rate			✓		✓	
Heart Healthy? 7.4(A), 7.4(C)	Understand Constant of Proportionality	✓			✓		
Soil Cleanup 7.4(A), 7.4(C)	Constant of Proportionality	✓			✓		
Conversions							
Measurement Mania 7.4(E)	Perform Conversions Using Proportions and Unit Rate	✓	✓		✓		
Which Is More? 7.4(E)	Perform Conversions Using Proportions and Unit Rate in Tables	✓			✓		
Ratio/Rates/Percentages							
Solving Rate Problems 7.4(D)	Use Multiple Models to Solve Rate Problems	✓	✓		✓		
Solving Ratio Problems 7.4(D)	Use Multiple Models to Solve Ratio Problems	✓	✓		✓		
Solving Percent Problems 7.4(D)	Use Multiple Models to Solve Percent Problems	✓	✓		✓		
Percents in the Real World 7.4(D), 7.13(A), 7.13(E)	Solving Percent Problems	✓	✓		✓		

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		new learning	intervention	practice	teacher-facilitated	small groups	stations
Ratio/Rates/Percentages (cont'd.)							
Percent Decrease 7.4(D)	Understanding and Solving Percent Decrease Problems	✓	✓		✓		
Percent Increase 7.4(D)	Understanding and Solving Percent Increase Problems	✓	✓		✓		
What Went Wrong? 7.4(D)	Solving Percent Increase and Decrease Problems		✓	✓		✓	
Answer the Right Question 7.4(D)	Solving Percent Problems		✓	✓		✓	
Conceptual Development of Non-Proportional Reasoning							
Representing Linear Relationships 7.7(A)	Introduction to Non-Proportional Situations	✓	✓		✓		
Situations, Tables, Graphs, and Equations 7.7(A)	Representing Linear Relationships		✓	✓		✓	
Matching Situations, Tables, Graphs, and Equations 7.7(A)	Representing Linear Relationships		✓	✓		✓	