



Grade 8

ELPS Summary

Acknowledgment

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Notice

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GRADE 8 ELPS SUMMARY

Module	Topic	Lesson	Lesson Title	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F
Module 1: Transforming Geometric Objects	Topic 1: Rigid Motion Transformations	Introduction Lesson						•									
		1	Introduction to Congruent Figures			•											
		2	Introduction to Rigid Motions	•		•											
		3	Translations of Figures on the Coordinate Plane														
		4	Reflections of Figures on the Coordinate Plane														
		5	Rotations of Figures on the Coordinate Plane													•	
		6	Congruence and Rigid Motions			•											
	Topic 2: Similarity	1	Dilations of Figures	•	•												
		2	Dilating Figures on the Coordinate Plane														
		3	Mapping Similar Figures Using Dilations			•		•									
	Topic 3: Line and Angle Relationships	1	Exploring Angle Theorems											•		•	
		2	Exploring the Angles Formed by Lines Intersected by a Transversal														
		3	Exploring the Angle-Angle Similarity Theorem														

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Module	Topic	Lesson	Lesson Title	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F
Module 2: Developing Function Foundations	Topic 1: From Proportions to Linear Relationships	1	Representations of Proportional Relationships								•				•		
		2	Using Similar Triangles to Describe the Steepness of a Line											•			
		3	Exploring Slopes Using Similar Triangles														
		4	Transformations of Lines									•					
	Topic 2: Linear Relationships	1	Using Tables, Graphs, and Equations	•													
		2	Linear Relationships in Tables						•					•			
		3	Linear Relationships in Contexts					•									
		4	Slope-Intercept Form of a Line		•										•		
		5	Defining Functional Relationships			•											
Module 3: Data Data Everywhere	Topic 1: Patterns in Bivariate Data	1	Analyzing Patterns in Scatterplots	•												•	
		2	Drawing Trend Lines								•						
		3	Analyzing Trend Lines						•					•			
		4	Comparing Slopes and Intercepts of Data from Experiments														
	Topic 2: Variability and Sampling	1	Mean Absolute Deviation			•											
		2	Collecting Random Samples													•	
		3	Sample Populations					•									

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Module	Topic	Lesson	Lesson Title	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F
Module 4: Modeling Linear Equations	Topic 1: Solving Linear Equations and Inequalities	1	Equations with Variables on Both Sides	•											•		
		2	Analyzing and Solving Linear Equations														
		3	Solving Linear Inequalities														
	Topic 2: Systems of Linear Equations	1	Point of Intersection of Linear Graphs					•						•			
		2	Systems of Linear Equations														
		3	Multiple Representations of Systems of Linear Equations			•											
Module 5: Applying Powers	Topic 1: Real Numbers	1	Sorting Numbers					•						•			
		2	Rational and Irrational Numbers										•				•
		3	The Real Numbers			•			•								
		4	Scientific Notation	•													
	Topic 2: The Pythagorean Theorem	1	The Pythagorean Theorem						•								
		2	The Converse of the Pythagorean Theorem	•													
		3	Distances in a Coordinate System					•									
		4	Side Lengths in Two and Three Dimensions													•	
	Topic 3: Financial Literacy: Your Financial Future	1	Simple and Compound Interest			•								•			
		2	Terms of a Loan					•									
		3	Online Calculators														
		4	Financing Your Education														
	Topic 4: Volume of Curved Figures	1	Volume, Lateral, and Total Surface Area of a Cylinder				•								•		
		2	Volume of a Cone					•									
		3	Volume of a Sphere							•							
		4	Volume and Surface Area Problems with Prisms, Cylinders, Cones, and Spheres														

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Grade 8 ELPS Summary by Module and Topic	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F	2.G	2.H	2.I
Module 1 ELPS Summary	•	•	•		•						•		•				•
M1 Topic 1 ELPS Summary	•		•		•								•				•
M1 Topic 2 ELPS Summary	•	•	•		•												
M1 Topic 3 ELPS Summary											•		•				
Module 2 ELPS Summary	•	•	•		•	•		•	•		•	•			•	•	•
M2 Topic 1 ELPS Summary								•	•		•	•			•	•	•
M2 Topic 2 ELPS Summary	•	•	•		•	•					•	•					•
Module 3 ELPS Summary	•		•	•	•	•					•		•			•	
M3 Topic 1 ELPS Summary	•			•		•					•		•				
M3 Topic 2 ELPS Summary			•		•								•			•	
Module 4 ELPS Summary	•		•		•						•	•			•		
M4 Topic 1 ELPS Summary	•											•			•		
M4 Topic 2 ELPS Summary			•		•						•						
Module 5 ELPS Summary	•		•	•	•	•	•			•	•	•	•	•	•	•	•
M5 Topic 1 ELPS Summary	•		•		•	•				•	•			•			•
M5 Topic 2 ELPS Summary	•				•	•							•			•	•
M5 Topic 3 ELPS Summary			•		•						•						
M5 Topic 4 ELPS Summary				•	•		•					•			•	•	•

Grade 8 ELPS Course Summary	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F	2.G	2.H	2.I
Grade 8 ELPS Course Summary	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Grade 8 ELPS Summary by Module	1.A	1.B	1.C	1.D	1.E	1.F	1.G	1.H	2.A	2.B	2.C	2.D	2.E	2.F	2.G	2.H	2.I
Module 1 ELPS Summary	•	•	•		•						•		•				•
Module 2 ELPS Summary	•	•	•		•	•		•	•		•	•			•	•	•
Module 3 ELPS Summary	•		•	•	•	•		•			•		•			•	
Module 4 ELPS Summary	•		•		•						•	•			•		
Module 5 ELPS Summary	•		•	•	•	•	•			•	•	•	•	•	•	•	•

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