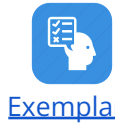




Pre-Algebra (1205070) 2023-2024 Scope and Sequence



Unit	Benchmark	Instructional Guides	Assessment		
1	Exponents (approx. 12 days)	MA.8.NSO.1.3 - Laws of Exponents, including Negative Exponents	Laws of Exponents, including Negative Exponents (3 days) Applying Laws of Exponents with Monomials (3 days) Laws of Exponents with Algebraic Expressions (3 days)	Unit 1a Blueprint Unit 1a Test	
		MA.8.AR.1.1 - Laws of Exponents/Equivalent Algebraic Expressions			
		MA.8.AR.1.2 - Properties of Operations			
		MA.8.AR.1.3 - Sum of Two Algebraic Expressions			
	Scientific Notation (approx. 6 days)	MA.8.NSO.1.4 - Expressing & Comparing Scientific Notation	Understanding Scientific Notation (2 days) Compute with Scientific Notation (2 days)	Unit 1b Blueprint Unit 1b Test	
		MA.8.NSO.1.5 - Operations with Scientific Notation			
		MA.8.NSO.1.6 - Real World Scientific Notation			
	Real Numbers (approx. 15 days)	MA.8.NSO.1.1 - Rational & Irrational Numbers	Perfect Square and Cube Roots (2 days) Solve equations involving Roots (1 day) Real Numbers (2 days) Estimate Irrational Numbers (2 days) Compare and Order Real Numbers (2 days)	Unit 2 Blueprint Unit 2 Test	
		MA.8.NSO.1.2 - Compare and Order Real Numbers			
		MA.8.NSO.1.7 - Order of Operations			
		MA.8.AR.2.3 - Solve equations involving Roots			
	2	Solve Multi-Step Equations & Inequalities (approx. 12 days)	MA.8.AR.2.1 - Multi-Step Linear Equations	Solve Multi-Step Equations (7 days) Determine the Number of Solutions (2 days) Solve Two-Step Inequalities (2 days)	Unit 3 Blueprint Unit 3 Test
MA.8.AR.2.2 - Two-Step Linear Inequalities					
Linear Relationships and Slope (approx. 17 days)		MA.8.AR.3.1 - Proportional Relationships	Linear Relationships (2 days) Slope (4 days) Slope-Intercept Form (4 days) Graph and Interpret Linear Relationships (4 days)	Unit 4 Blueprint Unit 4 Test	
		MA.8.AR.3.2 - Slope			
		MA.8.AR.3.3 - Write Slope-Intercept Form			
		MA.8.AR.3.4 - Graph Linear Relationships			
		MA.8.AR.3.5 - Determine & Interpret Slope-Intercept in Real World			
Functions (approx. 13 days)		MA.8.F.1.1 - Identify Functions, Domain, & Range	Relations and Functions (4 days) Determine Linear and Nonlinear Functions (2 days) Analyze Graphs of Functions (2 days)	Unit 5 Blueprint Unit 5 Test	
		MA.8.F.1.2 - Identify Linear Functions			
		MA.8.F.1.3 - Function Behavior			
3		Systems of Linear Equations (approx. 13 days)	MA.8.AR.4.1 - Ordered Pairs as Solutions to Systems	Understanding and Graphing Linear Systems (4 days) Using Systems of Equations to Solve Problems (3 days)	Unit 6 Blueprint Unit 6 Test
			MA.8.AR.4.2 - One, No, or Infinitely Many Solutions		
	MA.8.AR.4.3 - Graph Systems of Equations				
	Angles, Triangles, & Pythagorean Theorem (approx. 19 days)	MA.8.GR.1.1 - Pythagorean Theorem	Special Angle Relationships (4 days) Angle Relationships in Two-Dimensional Figures (4 days) Triangle Inequality Theorem (2 days) Pythagorean Theorem (6 days)	Unit 7 Blueprint Unit 7 Test	
		MA.8.GR.1.2 - Pythagorean Theorem on Coordinate Grid			
		MA.8.GR.1.3 - Proving Triangles			
		MA.8.GR.1.4 - Supplementary, complementary, vertical, or adjacent angles			
		MA.8.GR.1.5 - Triangle Sum Theorem			
		MA.8.GR.1.6 - Angle Sum of Regular Polygons			
	Congruent Transformations & Similarity (approx. 14 days)	MA.8.GR.2.1 - Rigid Transformations	Translations, Reflections, and Rotations (6 days) Congruence and Transformations (2 days) Dilations (3 days) Indirect Measurement (1 day)	Unit 8 Blueprint Unit 8 Test	
		MA.8.GR.2.2 - Dilations			
		MA.8.GR.2.3 - Transformations on Coordinate Plane			
MA.8.GR.2.4 - Similar Triangles					
4	Bivariate Data	MA.8.DP.1.1 - Construct Scatter Plot/Line Graph	Scatter Plots (3 days)	Unit 9 Blueprint	



Pre-Algebra (1205070) 2023-2024 Scope and Sequence

(approx. 10 days)	MA.8.DP.1.2 - Scatter Plots of Association	Lines of Fit (3 days)	Unit 9 Test
	MA.8.DP.1.3 - Line of Fit		
Probability (approx. 11 days)	MA.8.DP.2.1 - Sample Space for Repeated Events	Repeated Experiments (5 days) Make Predictions (2 days)	Unit 10 Blueprint Unit 10 Test
	MA.8.DP.2.2 - Find Theoretical Probability		
	MA.8.DP.2.3 - Real-world Probability		

*Days are estimated and may be adjusted based on the release of the 2023-2024 state assessment calendar.