38th Grade Math Pacing Guide
2025-2026

Week	Topic Standards	Standards	Lessons
Weeks 1-9	**1st Nine Weeks**		
	Real Numbers Work with radicals and integer exponents. Know that there are numbers that are not rational, and approximate them by rational numbers. **Analyze and Solve Linear Equations** Understand the connections between proportional relationships, lines, and linear equations. Analyze and solve linear equations and pairs of simultaneous linear equations.	**8.NS.A.1** **8.NS.A.2** 8.EE.A.1 **8.EE.A.3** 8.EE.A.4 8.EE.C.7.b 8.EE.C.7.a	Topic 1 Lessons 1-10 Topic 2 Lessons 1-4
Weeks 1-9	**2nd Nine Weeks**		
	Analyze and Solve Linear Equations Understand the connections between proportional relationships, lines, and linear equations. Analyze and solve linear equations and pairs of simultaneous linear equations. **Use Functions to Model Relationships** Define, evaluate, and compare functions. Use functions to model relationships between quantities **Investigate Bivariate Data** Investigate patterns of association in bivariate data.	**8.EE.B.5** **8.EE.B.6** 8.EE.C.9 8.F.A.1 8.F.A.2 8.F.A.3 **8.F.B.4** 8.F.B.5 8.SP.A.1 8.SP.A.2 8.SP.A.3	Topic 2 Lessons 5-9 Lesson TN–1* (Student Companion): Graph the Solution Set of an Inequality on the Coordinate Plane Topic 3 Lessons 1-6 Topic 4 Lessons 1-3

Weeks 1-10	**3rd Nine Weeks**		
	Investigate Bivariate Data Determine outcomes of compound events. Find probabilities of compound events. Simulate compound events	8.SP.B.4 8.SP.B.4.a 8.SP.B.4.b	Lesson TN–2* (Student Companion): Determine outcomes of compound events Lesson TN–3* (Student Companion): Find probabilities of compound events Lesson TN–4* (Student Companion): Simulate compound events
	Analyze/ Solve Systems of Linear Equations Analyze and solve pairs of simultaneous linear equations. **Congruence and Similarity** Understand congruence and similarity using physical models, transparencies, or geometry software. **Understand and Apply the Pythagorean Theorem** Understand and apply the Pythagorean Theorem	8.EE.C.8 **8.EE.C.8.a**/b 8.G.A.1.a/b/c/d 8.G.A.2 8.G.B.3 **8.G.B.4** **8.G.B.5**	Topic 5 Lessons 1-2 Topic 6 Lessons 1-10 Topic 7 Lessons 1-4
Weeks 1-9	**4th Nine Weeks**		
	Solve Problems Involving Surface Area and Volume Solve real world and mathematical problems involving volume of cylinders, cones, and spheres	8.G.C.6	Topic 8 Lessons 1-7
	Focus: Major Work standards	TN READY REVIEW: Review all Grade 8 standards	• Standards Practice sheets • Assessment Readiness Practice Tests

Algebra 1 Prep- Solving Linear Equations-Analyze and solve linear equations and pairs of simultaneous linear equations **Algebra 1 Prep- Functions**-Define, evaluate, and compare functions. **Algebra 1 Prep- Systems of Linear Equations-** Use functions to model relationships between quantities. **Algebra 1 Prep- Exponents -** Work with radical and integer exponents.	8.EE.C.7 8.F.A.1 8.F.A.2 8.F.A.3 8.F.B.4 8.EE.C.8 8.EE.A.1 8.EE.A.2	Topic 2 Lessons 1-4 Topic 3 Lessons 1-4 Topic 5 Lessons 1-2 Topic 1 Lessons 6-7