

Geometry

Pacing Guide

	Topic	Standard	*Power/**Supporting	Traditional # of days	Block
1 st 9 weeks	Points, lines, and planes	G.CO.A.1	Supporting	2	1
1 st 9 weeks	Measuring Segments	G.CO.A.1 G.GPE.B.2	Supporting Power	1	
1 st 9 weeks	Measuring Angles	G.CO.A.1	Supporting	2	1
1 st 9 weeks	Exploring Angle Pairs	G.CO.A.1	Supporting		
1 st 9 weeks	Basic Constructions	G.CO.D.12	Supporting	2	1
1 st 9 weeks	Midpoint/Distance in Coordinate Plane	G.GPE.B.2 G.GPE.B.4	Power Supporting		
1 st 9 weeks	Perimeter, Circumference and Area	G.GPE.B.5	Supporting	2	1
	Review and Assess			2	2
1 st 9 weeks	Reasoning in Algebra/Geometry	G.CO.C.9	Power	1	1
1 st 9 weeks	Proving Angles Congruent	G.CO.C.9	Power	2	1
1 st 9 weeks	Lines and Angles	G.CO.A.1	Supporting	2	1
1 st 9 weeks	Properties of Parallel Lines	G.CO.C.9	Power	2	
1 st 9 weeks	Proving Lines Parallel	G.CO.C.9 G.GPE.B.3	Power Supporting	2	1
1 st 9 weeks	Parallel and Perpendicular Lines	G.MG.A.2 G.GPE.B.3	Power Supporting	1	1

1 st 9 weeks	Parallel Lines and Triangles	G.CO.C.10	Power	2	1
1 st 9 weeks	Constructing Parallel and Perpendicular Lines	G.CO.D.12	Supporting		
1 st 9 weeks	Equations of Lines in Coordinate Plane	G.GPE.B.5	Supporting	2	1
1 st 9 weeks	Slopes of Parallel and Perpendicular Lines	G.GPE.B.5	Supporting	2	
	Review and Assess			2	2
1 st 9 weeks	Congruent Figures	G.SRT.B.5	Supporting	2	1
1 st 9 weeks	Triangle Congruence by SSS and SAS	G.SRT.B.5	Supporting	2	
1 st 9 weeks	Triangle Congruence by ASA and AAS	G.SRT.B.5	Supporting	2	
1 st 9 weeks	Using Corresponding Parts of Congruent Triangles	G.SRT.B.5	Supporting	1	1
1 st 9 weeks	Isosceles and Equilateral Triangles	G.CO.C.10	Power	2	
1 st 9 weeks	Congruence in Right Triangles	G.SRT.B.5	Supporting	2	1
1 st 9 weeks	Congruence in Overlapping Triangles	G.SRT.B.5	Supporting		
	Review and Assess			2	2
End of 9weeks	Benchmark			1	1
Total days				43	21

2 nd 9 weeks	Midsegments of Triangles	G.CO.C.10	Power	1	1
2 nd 9 weeks	Perpendicular and Angle Bisectors	G.CO.C.9 G.SRT.B.5	Power Supporting	1	
2 nd 9 weeks	Bisectors in Triangles Including constructions	G.C.A.3	Supporting	1	1
2 nd 9 weeks	Medians and Altitudes	G.CO.C.10	Power	1	
2 nd 9 weeks	Indirect Proof	G.CO.C.10	Power	2	1
2 nd 9 weeks	Inequalities in One Triangle	G.CO.C.10	Power	2	1
2 nd 9 weeks	Inequalities in Two Triangles	G.CO.C.10	Power	2	1
	Review and Assess			2	1
2 nd 9 weeks	Polygon Angle-Sum Theorems	G.SRT.B.5	Supporting	2	1
2 nd 9 weeks	Properties of Parallelograms	G.CO.C.11	Power	2	1
2 nd 9 weeks	Proving Quadrilateral is Parallelogram	G.CO.C.11	Power	1	1
2 nd 9 weeks	Properties of Rhombuses, Rectangles, and Squares	G.CO.C.11 G.SRT.B.5	Power Supporting	1	1
2 nd 9 weeks	Conditions for Rhombuses, Rectangles, and Squares	G.CO.C.11 G.SRT.B.5	Power Supporting	2	
2 nd 9 weeks	Trapezoids and Kites	G.SRT.B.5	Supporting	1	1
2 nd 9 weeks	Polygons in Coordinate Plane	G.GPE.B.5	Supporting	1	1
2 nd 9 weeks	Applying Coordinate Geometry	G.GPE.B.2	Power	2	
2 nd 9 weeks	Proofs Using Coordinate Geometry	G.GPE.B.2	Power	2	1
	Review and Assess			2	1

2 nd 9 weeks	Ratios and Proportions	G.SRT.B.5	Supporting	2	1
2 nd 9 weeks	Similar Polygons	G.SRT.B.5	Supporting	2	
2 nd 9 weeks	Proving Triangles Similar	G.SRT.B.5 G.GPE.B.5	Supporting Supporting	2	1
2 nd 9 weeks	Similarity in Right Triangles	G.SRT.B.5 G.GPE.B.5	Supporting Supporting		1
2 nd 9 weeks	Proportions in Triangles	G.SRT.B.4	Power	1	
	Review and Assess			2	1
End of 9 weeks	Benchmark			1	1
			Total Days	38	19

3 rd 9 weeks	Pythagorean Theorem and its Converse	G.SRT.C.8 G.SRT.B.4	Power Power	2	1
3 rd 9 weeks	Special Right Triangles	G.SRT.C.8	Power	2	
3 rd 9 weeks	Trigonometry	G.SRT.C.8 G.SRT.C.7 G.MG.A.1	Power Power Power	2	1
3 rd 9 weeks	Angles of Elevation and Depression	G.SRT.C.8	Power	1	1
3 rd 9 weeks	Law of Sines	G.SRT.C.8	Power	2	2
3 rd 9 weeks	Law of Cosines	G.SRT.C.8	Power	2	
	Review and Assess			2	2
3 rd 9 weeks	Translations	G.CO.A.2 G.CO.A.4 G.CO.B.6	Supporting Supporting Power	2	1
3 rd 9 weeks	Reflections	G.CO.A.5 G.CO.A.2 G.CO.A.4 G.CO.B.6	Supporting Supporting Supporting Power	1	1
3 rd 9 weeks	Rotations	G.CO.A.4 G.CO.A.2 G.CO.A.3 G.CO.B.6	Supporting Supporting Supporting Power	2	1
3 rd 9 weeks	Congruence Transformations	G.CO.B.7 G.CO.B.6 G.CO.B.8	Supporting Power Power	2	1
3 rd 9 weeks	Dilations	G.SRT.A.1 G.CO.A.2 G.SRT.A.2	Supporting Supporting Supporting	1	1
3 rd 9 weeks	Similarity Transformations	G.SRT.A.2 G.SRT.A.3	Supporting Supporting	1	
	Review and Assess			2	2

3 rd 9 weeks	Areas of Parallelograms and Triangles	G.MG.A.1 G.GPE.B.5	Power Supporting	2	1
3 rd 9 weeks	Areas of Trapezoids, Rhombuses and Kites	G.MG.A.1	Power	2	
3 rd 9 weeks	Areas of Regular Polygons	G.MG.A.1	Power	1	1
3 rd 9 weeks	Perimeters and Areas of Similar Figures	G.GPE.B.5	Supporting	1	1
3 rd 9 weeks	Trigonometry and Area	G.SRT.D.9	Supporting	1	
3 rd 9 weeks	Circles and Arcs	G.CO.A.1 G.C.A.1	Supporting Supporting	2	1
3 rd 9 weeks	Area of Circles and Sectors	G.C.B.4	Supporting	2	
3 rd 9 weeks	Surface Areas of Prisms, Cylinders and Spheres	G.MG.A.1 G.GMD.A.2	Power Supporting	2	1
3 rd 9 weeks	Surface Areas of Pyramids and Cones	G.MG.A.1	Power	2	
3 rd 9 weeks	Volumes of Prisms, Cylinders and Spheres	G.GMD.A.1 G.GMD.A.2 G.MG.A.1	Supporting Supporting Power	2	1
3 rd 9 weeks	Volumes of Pyramids and Cones	G.GMD.A.2 G.MG.A.1	Supporting Power	2	
3 rd 9 weeks	Area and Volume of Similar Solids	G.MG.A.1	Power	2	1
	Review and Assess			2	2
	Benchmark			1	1
Total Days				48	24

4 th 9 weeks	Tangent Lines	G.C.A.2	Supporting	2	1
4 th 9 weeks	Chords and Arcs	G.C.A.2	Supporting	2	1
4 th 9 weeks	Inscribed Angles	G.C.A.2	Supporting	1	1
4 th 9 weeks	Angle Measures and Segment Lengths	G.C.A.2	Supporting	1	
4 th 9 weeks	Circles in the Coordinate Plane	G.GPE.A.1	Power	1	1
	Review and Assess			2	2
	Review for TN Ready			Rest of time until Test date	Rest of time until Test date

*What is a power standard?

The term **power standards** refers to a subset of **learning standards** that educators have determined to be the highest priority or most important for students to learn. In most cases, power standards are developed or selected at the school level by administrators and teachers. It is important to note that power standards do not preclude the teaching of other standards—they merely determine the highest-priority material. (The Glossary of Education Reform: <http://edglossary.org/power-standards/>) .

*What is a supporting standard?

The term **supporting standards** refers to the standards that enhance, support, or connect to the power standards.