

Secondary Math 2: Quarter 1 Syllabus

Section	Assignment	Learning Targets	Confidence
Unit 0 – Foundational Skills			
0-1 Integer operations	HW 0-1	0-1: I can find the sum, difference, product, and quotient of integers.	1 2 3 4
0-2 Order of operations	HW 0-2	0-2: I can evaluate/simplify an expression using order of operations.	1 2 3 4
0-3 Fraction operations	HW 0-3	0-3: I can find the sum, difference, product, and quotient of fractions.	1 2 3 4
0-4 Linear Equations	HW 0-4	0-4: I can solve linear equations.	1 2 3 4
Review and Test			
Unit 1 – Geometry, Reasoning, and Proof			
Essential Standard: I can prove geometric theorems.			
1-1 Conditional Statements	HW 1-1	1-1a: I can identify the hypothesis and conclusion in a conditional statement.	1 2 3 4
		1-1b: I can write a biconditional statement from a conditional statement and its converse.	1 2 3 4
		1-1c: I can write two conditional statements from a biconditional statement.	1 2 3 4
		1-1d: I can provide a counterexample to refute a claim.	1 2 3 4
1-2 Proof	HW 1-2	1-2a: I can use correct geometric notation.	1 2 3 4
		1-2b: I can find the Complements and Supplements of a given angle.	1 2 3 4
		1-2c: For a given conditional statement, I can write its inverse, converse, and contrapositive statements.	1 2 3 4
		1-2d: I can recognize types of proofs.	1 2 3 4
1-3 Angle relationships	HW 1-3	1-3a: I can do basic proofs (or create an argument) using parallel lines and CA, AIA, AEA, and VA.	1 2 3 4
		1-3b: I can identify and define angle relationships using parallel lines and a transversal.	1 2 3 4
		1-3c: I can find missing angles, set up, and solve equations using angle relationships.	1 2 3 4
1-4 Triangle properties	HW 1-4	1-4a: I can find missing angle measures in a triangle.	1 2 3 4
		1-4b: I can solve problems using properties of triangles (isosceles, midsegments, angle sum)	1 2 3 4
		1-4c: I can explain why triangle properties are true.	1 2 3 4
1-5 Parallelogram properties	HW 1-5	1-5a: I can find missing sides and angles in parallelograms using the properties of parallelograms.	1 2 3 4
		1-5b: I can determine if I have enough information to prove a polygon is a parallelogram.	1 2 3 4
		1-5c: I can prove properties of parallelograms using triangles and parallel lines.	1 2 3 4
Review and Test			

Unit 2 – Similarity			
Essential Standard: I can prove theorems involving similarity.			
2-1 Dilations and Scale Factor	HW 2-1	2-1: I can dilate a geometric figure and identify the scale factor.	1 2 3 4
2-2 Similarity	HW 2-2	2-2a: I can use similarity to solve for missing sides or angles in similar figures.	1 2 3 4
		2-2b: I can write a similarity statement for two geometric figures.	1 2 3 4
2-3 Triangle Similarity Theorems	HW 2-3	2-3: I can determine if a triangle is similar by AA, SAS, or SSS.	1 2 3 4
2-4 Triangles in Context	HW 2-4	2-4: I can use similar triangles to set up and solve real-life problems.	1 2 3 4
Review and Test			