Lesson Plan for Week 14: Dec 5 - 9 **Grade: 9 A & B Course / Code: MTHW1** **Teacher: Ali Jama**

	Monday	Tuesday	Wednesday	Thursday
Unit/ Lesson Big Ideas	**Unit 4: Geometry and Measurement** **Solving problems related to geometric and measurement relationships.**	**Unit 4: Geometry and Measurement** **Solving problems related to geometric and measurement relationships**	**Unit 4: Geometry and Measurement** **Solving problems related to geometric and measurement relationships**	**Unit: Geometry and Measurement** **Solving problems related to geometric and measurement relationships**
Overall Expectations	**E1. Geometric and Measurement Relationships** demonstrate an understanding of the development and use of geometric and measurement relationships, and apply these relationships to solve problems, including problems involving real-life situations	**E1. Geometric and Measurement Relationships** demonstrate an understanding of the development and use of geometric and measurement relationships, and apply these relationships to solve problems, including problems involving real-life situations	**E1. Geometric and Measurement Relationships** demonstrate an understanding of the development and use of geometric and measurement relationships, and apply these relationships to solve problems, including problems involving real-life situations	**E1. Geometric and Measurement Relationships** demonstrate an understanding of the development and use of geometric and measurement relationships, and apply these relationships to solve problems, including problems involving real-life situations
Specific Expectations	E1.2 create and analyse designs involving geometric relationships and circle and triangle properties, using various tools	E1.2 create and analyse designs involving geometric relationships and circle and triangle properties, using various tools	E1.5 solve problems involving the side-length relationship for right triangles in real-life situations, including problems that involve composite shapes	C2.1 use coding to demonstrate an understanding of algebraic concepts including variables, parameters, equations, and inequalities
Learning Goals	Determining the dimensions of a rectangle	Determine the area and perimeter of composite shapes	Solving problems using Pythagorean theorem.	coding
Success Criteria				
Instructional Strategies	Lecture on that rectangles with same area can have different areas and that rectangles with different areas can have the same.perimeter. Examples will be analyzed and related problems will be solved.	Lecture on how to determine the are or perimeter of a geometric shape by decomposing it into simpler shapes whose formulas you know.	Lecture on geometric relationship between three sides of a right triangle and by using pythagorean theorem solve problems related.	This lecture will introduce students to coding.
Assessment & Evaluation	Class work [AFL]	Class work [AFL]	Class work [AFL]	Class work [AFL]
Homework / Class Work	Practice questions page 431-432 textbook	Practice question 440 -441 Textbook. .	Practice question 445-446 Textbook. .	.
Materials & Resources	Nelson Principles of Mathematics 9	Nelson Principles of Mathematics 9	Nelson Principles of Mathematics 9	Nelson Principles of Mathematics 9