



Blessed Sacrament Catholic School

S.Y. 2017 - 2018

BUDGET OF WORK IN MATHEMATICS 9

QUARTER: 3rd

UNIT TOPIC: Quadrilaterals and Similarities

No. of days: 36

Reference/S: Teh Pick Ching, et al (2015) New Syllabus Singapore Math 9 Work text, Manila, Rex Bookstore

DIRECTION: To **student**, kindly indicate the level of your performance in **each** learning target by putting a (✓) **check** in your choice. See the description below as your guide.

TIME FRAME	LEARNING TARGETS	LEVEL OF PERFORMANCE				
		4	3	2	1	0
Day 1 - 4	* Determine the conditions that make a quadrilateral a parallelogram. * Use properties to find measures of angles, sides, and other quantities involving parallelograms.					
Day 5 Quiz #1	* Apply the concepts of proving quadrilaterals that are parallelogram.					
Day 6 - 8	* Identify quadrilaterals that are parallelograms. * Prove theorems in the different kinds of parallelogram					
Day 9 – 10 Transfer Task 1	* To relate and apply the properties of parallelograms to real life experience.					
Day 11 - 13	* Prove theorems on trapezoids and kites * Solve problems involving parallelograms, trapezoids and kites.					
Day 14 Quiz #2	* Apply the theorems on trapezoids and kites, and solve problems involving it.					
Day 15 – 17 Transfer Task 1	* Relate and apply quadrilaterals to a real-life experience.					
Day 18 - 19	* Describe a proportion * Apply the fundamental theorems of proportionality to solve problems involving proportions.					
Day 20 – 22	* Illustrate similarity of figures.					
Day 23 Quiz #3	* Apply the concepts of ratio and proportion. * Apply the concepts of similarity of figures.					
Day 24 – 26	* Prove the conditions for similarity of triangles. * Apply the theorems to show that given triangles are similar. * Solve problems that involve triangle similarity and right triangles.					
Day 27 - 28	* Illustrate proportional segments in triangles * Apply the theorems on proportional segments to solve problems involving similarity.					
Day 29 – 33	* Prove the Pythagorean Theorem and its converse. * Use the Pythagorean Theorem to solve problems on right triangles. * Prove theorems on special right triangles and their converse. * Solve problems using the theorems on special right triangles.					
Day 34 – 36 Transfer Task 2	* Apply triangle similarities in real-life situation.					

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LEGEND:

- 4** - I know (can do) it well enough to make connections that weren't taught.
3 - I know (can do) everything that was taught without making mistakes.
2 - I know (can do) all the easy parts, but I don't know (can't do) the harder parts.
1 - With help, I know (can do) some of what was taught.
0 - I don't know (can't do) any of it.