

**MATH 9 – SYMMETRY & SURFACE AREA
ASSESSMENT RECORD**

Name: _____ Class: _____

Category	Topic	Due Date	Mark
1.1	Line Symmetry		
	Pg. 11 Q. 1 – 3		
	Pg. 12 Q. 4, 6, 7		
	Pg. 13 Q. 9, 11, 12, 13		
	Pg. 14 Q. 15 – 17		
	Pg. 15 Q. 20, 22, 24		
1.2	Rotation Symmetry & Transformations		
	Pg. 20 Q. 1 – 3		
	Pg. 21/22 Q. 4, 6, 7, 11		
	Pg. 23 Q. 12, 14, 17		
	Pg. 24/25 Q. 19 – 21, 24		
1.3	Surface Area		
	Pg. 31 Q. 1 – 3		
	Pg. 32/33 Q. 4, 7, 8, 10		
	Pg. 33/34 Q. 12, 15 – 17		
	Pg. 35 Q. 18, 22, 23		
	⇒ Facial Symmetry		
	visit symmeter.com		
	⇒ Ambigrams		
	⇒ Real World Symmetry		
	⇒ Logos		
	Chapter 1 Review		
	Pg. 36 Q. 1 – 17		
Quizzes	Symmetry Quiz		
	Surface Area Quiz		
Unit Test	Symmetry & Surface Area Unit Test		
Bonus Work			
(if offered)			

MATH 9 – SYMMETRY & SURFACE AREA

At the end of this unit you will be assessed on the following:

1. Understand the meaning of line symmetry and rotational symmetry.
2. Draw the image of a two dimensional shape as a result of line and/or rotational symmetry
3. Draw the image of a two dimensional shape as a result of a:
(i) translation (ii) reflection (iii) rotation
4. Identify the transformation that connects a shape with its image.
5. Determine the area of squares, rectangles, circles, triangles, parallelograms, and trapezoids as well as composite figures when related to surface area.
6. Determine the surface area of prisms, pyramids, cylinders, cones, spheres, and composite shapes.