Y7 Mastery: Unit 8 – Classifying 2D shapes						Keyword/Skill	Definition/Tips
Rotational Symmetry		If a shape then we s	e has rotatic	onal symmetry o as no rotational	f order 1, symmetry	Rotational Symmetry	Looks at how many times an image looks exactly the same in a complete turn.
					Order	The number of times an object fits over its own image in one complete turn	
		2		3		Reflective symmetry	The reflected shape will be exactly the same as the original, the same distance from the mirror line and the same size.
Draw around the	Rotate the image and	The equilate			teral triangle		The line that cuts a shape in
paper. Do not start counting when the shape is in the	of order 3 . This is because it fits on itself 3 times in one complete rotation.			Scalene triangle	Triangle where the three sides are different lengths and the angles are all different sizes.		
Reflective Symmetry						Equilateral triangle	Triangle where all three sides are equal length and all angles are equal
			 Lines of symmetry can be vertical, horizontal or diagonal. The line of symmetry is also called the mirror line or the axis of symmetry. A circle has infinite lines of symmetry. The lines of symmetry on a shape intersect (cross) at a point 			Isosceles triangle	Triangle with two sides of equal length and two equal angles.
		₩				Right-angle triangle	Triangle where one of its angles is a right-angle.
	1	1				Angle	A measure of turn with the
i This heptagon has 1 line of symmetry.	I A rectangle has A square 2 lines of symmetry. 4 lines o	t has f symmetry.	Make sure that you find all the lines of symmetry to answer a question.			<u>Angles in a tr</u>	iangle sum to 180
Properties of Triangles	Di-Lt	S	Scalene	Isosceles	Equilateral	97°	
Equilateral Isoscele (3 sides, 3 angles (2 sides, 2 a equal) equal)	s Scalene right ngles (O sides, O angles (1 right equal) angle)	Has a right			Impossible as all angles are 60°		54° + 97° + 29° = 180°
$\Delta \Delta$		No right angle			\triangle	54°	29°

