

YEAR 8 THRESHOLD CRITERIA- Cycle 2

MATHS

	Unit 4	Unit 5	Unit 6
	Ratio	Proportional Reasoning	Constructions
Excellent	<p>Use a scale given in the form of a ratio to interpret maps</p> <p>Solving equations with ratio</p>	<p>Use exchange rates to compare prices and solve problems</p> <p>Convert units of area</p> <p>Solve reverse percentage problems</p>	<p>Construct the locus of points which are fixed distance from one point, one line, or a shape</p> <p>Construct the locus of points which are equidistant from 2 points or 2 lines</p> <p>Shade regions and solve loci problems in context</p>
Proficient	<p>Divide amounts into a ratio using an efficient method</p> <p>Work out one quantity when given another</p> <p>Work out missing lengths of similar shapes</p>	<p>Use exchange rates to convert currency</p> <p>Solve value for money problems</p>	<p>Construct angles of 45 and 60 degrees using compasses and a ruler</p> <p>Construct inscribed polygons</p> <p>Construct perpendicular bisectors from a given point</p>
Developing	<p>Simply a ratio involving decimals or different units</p> <p>Write ratio in the form 1:n or n:1</p> <p>Divide amounts into a ratio</p> <p>Work out scale factor for similar shapes</p>	<p>Work out best buys</p> <p>Use unitary method to scale recipes and solve other proportion problems</p> <p>Use conversion graphs to convert quantities</p>	<p>Use compasses to accurately construct circles and arcs</p> <p>Construct angle bisectors and perpendicular bisectors</p> <p>Construct ASA, SAS and SSS triangles</p>
Acquiring	<p>Express a relationship as a ratio</p> <p>Write fractions using ratio</p> <p>Simplify ratio involving integers</p> <p>Enlarge a shape using a scale factor</p>	<p>Scale simple recipes to work out quantities of ingredients</p> <p>Enlarge shapes using a scale factor</p> <p>Convert units of time, length and capacity</p>	<p>Measure, draw and label line segments accurately</p> <p>Measure, draw and label angles accurately</p>