Maths Targets A Stage 6 Mathematician

	TARGETS						
Number and Place Value							
Е	I can round any whole number to a required degree of accuracy (10,100, 1000)						
Ε	I can count forwards and backwards and calculate intervals across zero						
D	I can read, write, order & compare numbers up to 10,000,000 & determine the value of each digit						
D							
S							
S							
S							
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Mu	Itiplication and Division						
Ε	I can multiply numbers up to 4 digits by a 1 digit whole number using the formal written method						
Ε	I can divide numbers up to 4 digits by a 2 digit whole number using the formal written method of long division						
Ε	I can divide numbers up to 4 digits by a 2 digit number using the formal written method of short division where appropriate.						
Ε	I can identify common factors and am beginning to identify common multiples and prime numbers						
Ε	I can solve simple problems involving addition, subtraction, multiplication nd division						
D	I can begin to multiply numbers up to 4 digits by a 2 digit whole number using the formal written method of long multiplication.						
D	I can divide numbers up to 4 digits by a 2 digit whole number using the formal written method of long division, and interpret remainders as whole number remainders						
D	I can perform mental calculations including with mixed operations						
D	I can identify common factors, common multiples, squared numbers (to 144) and primes (to 19).						
D	I can begin to use my knowledge of the order of operations to carry out calculations involving the four operations.						
D	I can use estimation to check answers to calculations and begin to determine in the context of a problem an appropriate degree of accuracy						
S	I can multiply numbers up to 4 digits by a 2 digit whole number using the formal written method of long multiplication.						
S	I can divide numbers up to 4 digits by a 2 digit whole number using the formal written method of						
S	I can divide numbers up to 4 digits by a 2 digit number using the formal written method of short division where appropriate, interpreting remainders according to context						
S	I can perform mental calculations, including with mixed operations and large numbers.						
S	I can use my knowledge of the order of operations to carry out calculations involving 4 operations						
S	I can use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.						
S	Lean solve addition and subtraction multi-step problems in contexts, deciding which operations						
Emerging Developing		Se	cure	<u>;</u>			
Fra	ctions			1	1	1	
Е	I can use common factors to simplify fractions						
Е	E I can add and subtract fractions with different denominators						
Ε	I can identify the value of each digit in numbers with up to three decimal places						

Ε	I can multiply 1 digit numbers with 1 dec	imal place by whole numbers						
Ε	I can multiply and divide numbers by 10 and 100 giving answers up to 3 decimal places.							
D	I can compare and order fractions less than 1, and am beginning to include fractions >1.							
D	I can multiply simple pairs of proper fractions, writing the answer in the simplest form.							
D	fraction.							
D	100 and 1000 giving answers up to 3 decimal places.							
D	I can recall and use equivalences between simple fractions, decimals and percentages, including in							
S	I can use common factors to simplify fractions and use common multiples to express fractions in the same denomination.							
S	I can compare and order fractions, include							
S	I can add and subtract fractions with diff concept of equivalent fractions.	erent denominators and mixed numbers,	using the					
S	I can divide proper fractions by whole nu	ımbers.						
S	I can associate a fraction with division to	calculate decimal equivalents for a simple	e fraction.					
S	I can multiply 1-digit numbers with up to	2 decimal places by whole numbers.						
S	I can use written division methods in cas	es where the answer has up to 2 decimal	places.					
S	I can solve problems which require answ	ers to be rounded to specified degrees of	accuracy.					
	Emerging	Developing		Sec	cure			
Me	asurement							
Е		en standard units, converting measurement of measure to a larger unit, and vice ve	_					
Е	I can measure and calculate the perimeteunknown lengths in cm and m	er of composite rectilinear shapes includin	ng finding					
Ε	I recognise when it is possible to use the	formulae for the area of shapes.						
Е	I can estimate the area of irregular shape	es						
D	I can use, read, write and convert betwe up to 3 decimal places.	en standard units, beginning to use decim	al notation of					
D	I can calculate the area of triangles and u	ise formulae more confidently						
D	I can convert between miles and kilomet	res.						
D	I can solve problems involving the calculation up to 3 decimal pla	ation and conversion of units of measure, ces where appropriate.	beginning to					
S	I can use, read, write and convert between standard units, converting measurements of length, S mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation of up to 3 decimal places.							
S	I recognise that shapes with the same ar	eas can have different perimeters and vice	e versa.					
S	I recognise when it is possible to use the	formulae for the volume of shapes.						
S	I can calculate the area of parallelograms	s and triangles.						
S	I can calculate, estimate and compare vo	lume of cubes and cuboids, using standar	d units.					
S	L can solve problems involving the calculation and conversion of units of measure, using decimal							
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Sha	pe and Geometry							
Е	I can draw simple 2D shapes given dime	nsions and angles.						
Е	I recognise, describe and build simple 3D shapes, including making nets – cube, cuboid							
Ε	I can find unknown angles in any triangles, quadrilaterals and regular polygons.							

Ε	I recognise angles where they meet at a p	oint or are on a straight line						
Е	I can describe positions on the co-ordinate grid (two quadrants).							
D	I can draw 2D shapes given dimensions and angles.							
D	I recognise, describe and build simple 3D shapes, including making nets – square-based pyramid, triangular prism							
D	I can illustrate and name parts of circles, including radius, diameter and circumference.							
D	I recognise angles where they meet at a point or are on a straight line, and find missing angles.							
D	I can translate simple shapes on the co-ordinate plane, and reflect them in the axes.							
S	I can compare and classify geometric shapes based on the properties and sizes.							
S	I can recognise, describe and build simple	3D shapes including making nets						
S	I know the diameter is twice the radius.							
S	I recognise angles where they meet at a partial find missing angles.	oint, are on a straight line, or are vertical	ly opposite, and	ı				
S	I can describe positions on the full co-ordi	nate grid (all four quadrants).						
S	I can draw and translate simple shapes on	the co-ordinate plane, and reflect them	in the axes.					
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Sta	tistics							
E	I can begin to calculate the mean as an av	erage						
D	I can calculate and interpret the mean as an average.							
D	I can interpret and construct pie charts an	d line graphs						
S	I can interpret and construct pie charts an	d line graphs and use these to solve prob	lems					
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