

Year 8	T1	T2	Т3	T4	T5	T6
Content / Topic for Term	Number 1 and 2	Algebra 1	Shape 1	Ratio and proportion 1 (FDP in context)	Statistics 1 Probability 1	Algebra 2
Key knowledge for	Know times tables Recognise special	Basic rules of algebra	Know all the basic angle rules	Recognise equivalent fractions	Rules for drawing bar/line charts	Method of how to plot coordinates (x,y)
acquisition, recall and application in assessment or exam	types of numbers  Know prime numbers  Know HCF and LCM  Know the first three laws of indices  Know that anything to the	Recall like terms  Methods for expanding brackets  Balancing method for solving equations  How to substitute using BIDMAS  Recall the inequality signs	Know properties of triangles  Know the sums of the interior angles of polygons  Exterior angles of polygons sum to 360  Angle theory of parallel lines:	Understand that percent means 'out of 100'  Decimal multipliers for percentage increase and decrease  Know the difference between simple and compound interest and the corresponding	Recap proportions (eg ¼ = 90°)  Difference between proportions and frequencies  Identify types of correlation  Know the three types of average and range	How to find the midpoint of 2 numbers  Know that m stands for gradient and c is the y intercept in y=mx + c  Rise/Run = gradient  Identify the four different types of transformation
	power of 0 is 1  Know place value  Know basic fraction concepts	Recognise the difference between an equation and inequalities	alternate, co- interior, corresponding  Define a compound shape	formulae Language of	probability and	(reflection, translation, rotation & enlargement)

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	Recognise		Know the formula			
	_		for the area of a			
	equivalent					
	fractions		triangle, trapezium,			
			circle and the			
	Recognise		circumference of a			
	improper, mixed		circle			
	and proper					
	fractions		Know parts of a			
			circle			
	Know what					
	reciprocals are		Understand Pi			
			comes from the			
	Know what		ratio between the			
	BIDMAS stands for		circumference and			
			the diameter			
	Recognise like					
	terms		Basic metric			
			conversions			
			Formula for the			
			volume of a cuboid			
Key skills to	Use all four	Finding HCF of two	Use knowledge of	Use division and	Construct and	Substitute into
apply in	arithmetic	terms	angles rules to find	equivalent fractions	interpret three	expressions/formulae
assessment	operations		missing angles	to convert between	types of bar charts	expressions/formatae
or exam		Expand brackets	ווווסטוווצ מווצוכט	fractions and	3,12 30 31 331 31 31	Draw a mirror line
	Use rules of	and use HCF to	Derive the formula		Calculate angle of	
	indices	factorise		decimals (and vice	sector	Use tracing paper to
			for the sum of the	versa)		rotate or translate
	Express a term in		interior angles of			shapes
	index form		any polygon (from			
	ITIGEX TOTTI					

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	Apply four	the number of	Use 'out of 100' as a	Interpret and	Draw rays to execute
Apply rules of	operations to	triangles)	definition for	construct pie charts	enlargements
BIDMAS	algebra		percentage to	and scatter graphs	G
		Be able to calculate	convert between F		Identify centre of
Convert from	Use of negative	interior and exterior	and P (and vice	Find three averages	enlargement and
standard form to	numbers	angles of polygons	versa) and D and P	and range from a	centre of rotation
an ordinary	4 L DIDIA46	5 11	(and vice versa), and	list and from a table	Understand column
number and back	Apply BIDMAS to	Be able to calculate	to work out		vector notation
Collect like terms	algebra	perimeter and area of compound	percentages of amounts	Use a protractor	
	Interpret and	shapes	amounts		
Work out factors	represent	зпарсз	Multiply or divide	Use of axis/scales	
or multiples	inequalities on a	Use and apply	decimal values to		
	number line	formula for area of	work out	Express	
Draw prime factor		shapes	percentage	probabilities as	
trees	How to find		increase/decrease	fractions, decimals and percentages	
	numbers that	Metric conversions	and reverse	and percentages	
Draw and use	satisfy an inequality	between area and	percentages	Convert between	
Venn diagrams to	A 1	volume	I I a Carron Landa	FDP	
	Apply		Use formulae to		
LCM	understanding of equations to solve		work out repeated percentage change	Apply probability to	
	inequalities		and interest	two-way tables	
	riequanties		and interest		
			_	Interpret and	
			Convert between	construct basic	
			ratios and fractions	probability trees	
			and apply this to solving proportional		
			reasoning problems		

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Title of	Factors and	Algebra	Angles	Fractions	Basic probability	Coordinates and
Knowledge	multiple					linear graphs
Organiser		Equations and	Properties of	Basic percentages	Representing data	
	Fractions	formulae	polygons			

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