

Templenewsam Halton Primary School Maths Long Term Overview

Overview of Memorable Maths

Memorable Maths is used at the start of every Maths lesson to ensure all topics are regularly recapped. It has been designed so that children can revisit topics weekly, remember key facts and solidify learning.

Day	Focus	Overview
Monday	Introduce word of the week	Times tables
	Times tables focus	 Facts needed to be successful for the week
	Facts for the week	Four operations
	Fluency in Maths	•
Tuesday	• Time	Telling the time
	Money	Days, months, years
		Analogue / digital
		Pounds / pence
Wednesday	• Shape	• 2D / 3D
		Properties
		Angles
		Symmetry
		Position and direction
Thursday	Measure	Mass
		Capacity
		Temperature
		Length
		Height
		Volume
		Area and perimeter
		Units of measurement
Friday	 Reasoning and problem solving 	

Nursery

Autumn	 I can say numbers in order, some of which are in the right order (ordinality) I use some number names and number language within play I can take part in finger rhymes with numbers. I can choose puzzle pieces and try to fit them in I can make simple constructions I can recognise that two objects have the same shape I can remember my way around familiar environments I can respond to and use language of position and direction I can recall a sequence of events in everyday life and stories 	 I can take or give two or three objects from a group I can notice numerals I can compare and recognise changes in numbers of things, using words like more, lots or 'same' I can count on their fingers. I can predict, move and rotate objects to fit the space or create the shape they would like I enjoy partitioning and combining shapes to make new shapes with 2D and 3D shapes I can join in and anticipates repeated sound and action patterns
Spring	 I can explores using a range of their own marks and signs to which they ascribe mathematical meanings I can talk about and identify the patterns around me. For example: stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', 'blobs' etc. I can create my own spatial patterns showing some organisation or regularity I can explores and add to simple linear patterns of two or three repeating items, e.g. stick, leaf (AB) or stick, leaf, stone (ABC) 	 I can subitises one, two and three objects (without counting) I can respond to both informal language and common shape names I show awareness of shape similarities and differences between objects
Summer	 I can points or touch each item, saying one number for each item, using the stable order of 1,2,3,4,5. I can count up to five items, recognising that the last number said represents the total counted so far (cardinal principle) I am beginning to recognise numerals 0 to 10 I am beginning to use understanding of number to solve practical problems in play and meaningful activities 	 I can links numerals with amounts up to 5 and maybe beyond Composition I can separate a group of three or four objects in different ways, beginning to recognise that the total is still the same I know that numbers are made up (composed) of smaller numbers I can recognise that each counting number is one more than the one before I can compare amounts, saying 'lots', 'more' or 'same'. I can explore differences in size, length, weight and capacity

Reception

Autumn	 I recognise that each counting number is one more than the one before I can continue, copy and create repeating patterns. I notice and correct an error in a repeating pattern I can compare length, weight and capacity. I can compare and recognise changes in numbers of things, using words like more, lots or 'same' I can discuss routes and locations, using words like 'in front of' and 'behind'. 	 I can point or touch each item, saying one number for each item, using the stable order of 1,2,3,4,5. I can link the number symbol (numeral) with its cardinal number value. I can subitise 1,2 and 3 objects I can count out up to five items, recognising that the last number said represents the total counted so far (cardinal principle) I can link numerals with amounts up to 5 and maybe beyond. I can solve real world mathematical problems with numbers up to 5. I understand the 'one more than/one less than' relationship between consecutive numbers. I can talk about and explore 2D shapes (for example, circles, rectangles, triangles) using informal and mathematical language: 'sides'; 'straight', 'flat', 'round'. I can select shapes appropriately: flat surfaces for building, a triangular prism for a roof etc. I am increasingly able to order and sequence events using everyday language related to time I am beginning to experience measuring time with timers and calendars
Spring	 I can use number names and symbols when comparing numbers, showing interest in large numbers I know that numbers are made up (composed) of smaller numbers I can explore and work out mathematical problems, using signs and strategies of their own choice, including (when appropriate) standard numerals, tallies and "+" or "-" I enjoy tackling problems involving prediction and discussion of comparisons of length, weight or capacity, paying attention to fairness and accuracy 	 I can count out up to 10 objects from a larger group. I can count objects, actions and sounds. I can count beyond ten I can compose and decompose shapes and recognise a shape can have other shapes within it, just as numbers can. I can select, rotate and manipulate shapes in order to develop spatial reasoning skills. Patterns I can turn and flip objects in order to make shapes fit and create models I can use my own ideas to make models of increasing complexity I am familiar with measuring tools in everyday experiences and play I am increasingly able to order and sequence events using everyday language related to time
Summer	 I can Subitise (recognise quantities without counting) up to 5 I can verbally count beyond 20, recognising the pattern of the counting system 	 I have a deep understanding of number to 10, including the composition of each number I can automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. I can explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally. Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity;

Autumn	Number - Place value		Number - Addition an	d subtractio	on (within 10)	Geometry – shape			
	I can read and write	numbers in numerals and	I can add and subtract one digit numbers and		•	Rectangle, s	quare, ci	rcle,	
	words to 10.		explain my me	ethod in pic	tures or by using resources		triangle, cut	ooids (ind	luding
	 I can read scales in c 	livisions of ones.	(part whole m	odels)			cubes), cylin	iders, co	nes,
	 I can say one more / 	one less than numbers to 10	I can recall at	least four of	f the six number bonds to		pyramids, sp	oheres.	
	I can order numbers	s to 10	10 and reason	about the a	associated facts.	•	I can recogn	ise, nam	e and sort
	I can sequence num	bers to 10					2D and 3D s	hapes (li	sted above).
Spring	Number – place value	Number – addition and	Number – place value (w	/ithin 50)	Measurement – length and	ł	Measureme	ent – ma	ss and
	(within 20)	subtraction (within 20)	I can read and w	rite	height		volume		
		I can add and	numbers to 50 in	I	I can measure and	begin	I car	n measu	re and
	 I can read and 	subtract one digit	numerals.		to record lengths a	nd	beg	in to rec	ord
	write numbers in	numbers and	I can partition a t	wo-digit	heights using non-		mas	s/weigh	t, capacity
	numerals to 20.	explain my	number within 5	0 into	standard units of		and	volume	
	I can read scales in	method verbally,	tens and ones an	d	measurement and	cm.	 I car 	n compa	re,
	divisions of ones.	in pictures or by	demonstrate an		 I can compare, des 	cribe	des	cribe and	d solve
	 I can partition a 	using resources.	understanding of	f place	and solve practical		prac	ctical pro	blems for
	two-digit number	I can recall all the	value (using reso	urces for	problems for lengt	h and	mas	ss/weigh	t (heavier
	within 20 into tens	number bonds to	support where n	eeded).	height (longer/shorter).		than/lighter than),		
	and ones and	and within 10 and	I can read scales	in			cap	acity and	l volume
	demonstrate an	use these to	divisions of ones	and tens.			(full	/empty,	half, half
	understanding of	reason with.	I can partition a t	wo-digit			full,	quarter	full).
	place value using		number into diff	erent					
	resources.		combinations of	tens and					
	I can order and		ones and explain	my					
	sequence numbers		thinking by using						
	to 20.		resources or pict	ures.					
Summer	Number – multiplication	Number – fractions	Geometry –	Number –	place value (within 100)	Measur	ement –	Measu	rement –
	and division	I can recognise, find	position and	• I c	an read and write	money		time	
	I can count in	and name a half as one	e direction	nu	umbers in numerals within	•	I know the	•	I can read
	tens to 100. I can	of two equal parts of a	an • I can	10	00.		value of		the time
	group and share	object, shape or	describe	• I c	an partition a two-digit		different		on a clock
	using resources	quantity.	whole and	nu	umber within 100 into		coins (1p,		to the
	and pictorial	• I can identify ¼ of a	half turns.	te	ns and ones and		2p, 5p and		hour.
	representations	number or shape and	l can	de	emonstrate an		10p).	•	I can read
		know that all must be	describe						the time

 (in twos, fives and tens). I can identify equal and unequal groups. 	equal parts of the whole	position, direction and movement including whole, half, quarter turns	 understanding of place value (practically). I can read scales in divisions of ones and tens (including having exposure to twos and fives). I can partition a two-digit number into different combinations of tens and ones, explain my thinking and record using part-whole models. 	 I can use different coins to make the same amount within 10p. 	on a clock to half an hour. I know the days of the weeks, months of the year
--	-----------------------------	---	---	---	---

Autumn	Number – place value	Number – addition and subtraction	I	Geometry	Geometry – shape		
	 I can read and write numbers in numerals and words to 100. I can partition a two-digit number within 100 into tens and ones and demonstrate an understanding of place value. I can count in steps of 2, 3, ad 5 from 0, and in 10s from any number forward and backward I can partition most two-digit numbers into different combinations of tens and ones, explaining my thinking. 	 I can add and subtract one and two digit numbers without grouping and explain my method verbally, in pictures or by using resources. I can recall all the number bonds to and within 10 and begin to calculate bonds to and within 20, recognising other associated additive relationships. I know that addition is commutative but subtraction is not I can use the inverse relationship between addition and subtraction to check calculations and solve problems. 		 10 1	can identify and describe the roperties of 2D shapes (number of des and line symmetry) can identify and describe the roperties of 3D shapes (number of dges, vertices and faces) can identify 2D shapes on the urface of 3D shapes (for example, a ircle of a cylinder) can compare and sort common 2D nd 3D shapes and every day objects		
Spring	 Measurement - money I can recognise and use symbols for pounds (£) and pence (p) and combine amounts to make a value I can find different combinations of coins that equal the same amount of money I can solve problems in a practical context involving addition and subtraction of money of the same unit, including giving change. 	 Number - multiplication and division I can recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables I can recognise odd and even numbers I can calculate mathematical statements for multiplication and division and write them using the multiplication (x), division (÷) and equals (=) signs. I know that multiplication is commutative but division is not I can solve problems involving multiplication and division (using 	Measurement – len height I can choose appropriate units to esti measure length/heig direction I can compa order heigh <, > and =	gth and e and use e standard mate and ht in any are and ts using	 Measurement – mass, capacity and temperature I can choose and use standard units to estimate mass (kg/g), temperature (°C), capacity (litres/ml) to the nearest appropriate unit. I can compare and order mass, volume/capacity and record the result using <, > and = 		

		materials, arrays, repeated addition, mental methods, multiplication and division facts)		
Summer	 Number - fractions I can recognise, find, name and write fractions 1/3, ¼, 2/4 and ¾ of a length, shape, set of objects of quantity. I can write simple fractions. For example ½ of 6 =3 I can recognise the equivalence of 2/4 and ½ 	 Measurement – time I can compare and sequence intervals of time I can tell and write the time to five minutes, including quarter past/to the hours I can draw the hands on a clock face to the show the time I know there are 60 minutes in an hour and 24 hours in 1 day. 	 Statistics I can interpret and construct pictograms, tally charts, block diagrams and tables I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity I can ask and answer questions about totaling and comparing categorical data 	 Geometry – position and direction I can order and arrange combinations of mathematical objects in patterns and sequences I can use mathematical vocabulary to describe position, direction and movement, including movement in a straight line I can distinguish between rotation as a turn and in terms of right angles for quarter, half and three quarter turns (clockwise and anticlockwise)

Autumn	Number – place value	Number – addition and sub	traction	Number – multiplicatio	on and division		
	 I can find 1, 10 or 100 more or less than a given number. I can recognise the place value of each digit in a three-digit number (hundreds, tens, ones). I can compare and order numbers up to 1000. 	 I can add and subtrathree-digit number and tens, a three-dig I can add and subtratformal written methsubtraction crossing I can estimate the and inverse operation to provide the subtraction to provide the subtracting the subtraction to provide the subtraction to p	act numbers mentally, includin and ones, a three-digit numbe git number and hundreds. act with up to three digits, usir nods of column addition and g 10 and 100 (exchanging). nswer to a calculation and use o check answers.	 I can count from 0 in multiples of and 100. I can recall and use multiplication division facts for the 3 times table I can write and calculate mathem statements for multiplication and division using the multiplication and swers. 			
Spring	 Number - multiplication and division I can count from 0 in multiples of 50 and 100 to 1000. I can recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. I can write and calculate mathematical statements for multiplication and division using the multiplication tables I know (including for two-digit times one-digit numbers). I can write and calculate mathematical statements for multiplication tables I know (including for two-digit times one-digit numbers). I can write and calculate mathematical statements for multiplication and division using the multiplication and division using the multiplication and division using the multiplication tables I know (including for two-digit times one-digit numbers) with exchange. 	 Measurement - length and perimeter I can find the equivalent length in m, cm and mm. I can measure and compare length (m/cm/mm). I can add and subtract length. I can measure the perimeter of simple 2D shapes. 	 Number – fractions I can count up and down in tenths and can recognise that tenths arise from dividing an object into ten equal parts and in dividing one-digit numbers or quantities by ten. I can recognise and use fractions and numbers (unit fractions and non-unit fractions). I can recognise, find and write fractions of a discrete set of objects (unit and non-unit fractions) 	 Measurement – mass and c I can find the equiva I can measure and co I can add and subtra I can find the equiva ml/l. I can measure and co (ml/l). I can add and subtra 	apacity lent mass in kg/g. ompare mass (kg/g). ct mass. lent volume/capacity in ompare volume/capacity ct volume and capacity.		
Summer	Number – fractions	Measurement – money	Measurement – time	Geometry – shape	Statistics		
			I can estimate and	I can recognise	I can interpret		
			read time with	angles as a	and present		

 I can recognise and snow equivalent fractions with small denominators (using diagrams). I can compare and order unit fractions and fractions with the same denominator. I can add and subtract fractions with the same denominator within one whole (5/7 + 1/7 = 6/7). I can recognise and snow pounds and pence. I can add and subtract amounts of money to give change, using both £ and p, in practical contexts. 	 accuracy to 5 minute intervals. I can tell and write time from an analogue clock using the 12-hour and 24-hour clock. I can record and compare time in terms of seconds, minutes and hours. I know the number of seconds in a 	 OR a description of a turn (e.g. two right angles = a half turn). I can identify right angles and angles that are greater or less than a right angle I can identify horizontal, vertical, parallel and perpendicular lines. 	 charts, pictograms and tables. I can solve one-step and two-step questions using information presented in scaled bar charts, pictograms and tables.
--	--	---	--

Autumn	Number – place value	Number – addit	ion and subtraction		Measurement – area	Number	r – multiplication and division
	 I can find 1, 10, 100 and 1000 more or less than a given number. I can recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, ones). I can compare and order numbers beyond 1000. I can round numbers to the nearest 10, 100 or 1000. I can count backwards through zero to include negative numbers. 	 I can add and subtract numbers with up to four digits, using formal written methods of column addition and subtraction. I can add and subtract numbers with up to four digits, using formal written methods of column addition and subtraction with exchange in ones, tens or hundreds. I can estimate the answer to a calculation and use the inverse operation to check answers. I can solve addition and subtraction two-step problems in context, deciding which operations and methods to use. 			 I can find the area of rectilinear shapes by counting squares. 	•	I can count in multiples of 6, 7, 9, 25 and 1000. I can recall and use multiplication and division facts for the 6, 9 and 7 multiplication tables. I can use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
Spring	Number – multiplication and divi	sion	Measurement – length and	Number	- fractions	N	lumber – decimals
	 I can recall and use multiplic division facts for multiplic to 12 x 12. I can recognise and use fa commutativity in mental of a commutativity in mentativity in mental of a commutativity in mentativity in me	ation tables up actor pairs and calculations. ad three-digit umber using a lving multiplying ng the ly two-digit eger scaling lence problems.	 I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. I can convert between different units of measure (for example, kilometres to metres). 	 I C I h h c t fi I q fi v t 	can recognise and show famili common equivalent fractions (u liagrams). can count up and down in nundredths; recognising that nundredths arise when dividing object by one hundred and divi enths by ten. can calculate quantities from ractions. can use fractions to divide quantities (including non-unit ractions where the answer is a vhole number) can add and subtract fractions he same denominator.	es of using g an ding	 I can recognise and write decimal equivalents of any number of tenths or hundredths. I can divide a one or two-digit number by ten or one hundred and identify the answer as ones, tenths and hundredths.

Summer	Number – decimals	Measurement –	Measurement – time	Geometry – shape	Statistics	Geometry – position
	 I can compare numbers with the same number of decimal places up to two decimal places. I can round decimals with one decimal place to the nearest whole number. I can write decimal equivalents for ¼, ½ and ¾ 	 I can estimate, compare and calculate using money in pounds and pence. I can solve simple money problems using decimals to two decimal places. 	 I can read, write and convert time between analogue and digital 12 and 24-hour clocks. I can solve problems involving converting from: hours to minutes; minutes to seconds; years to months; weeks to days 	 I can identify acute and obtuse angles and compare and order angles, including right angles, by size. I can compare and classify geometric shapes (including quadrilaterals and triangles) based on their properties and sizes. I can identify lines of symmetry in 2D shapes presented in a variety of orientations. I can complete a simple symmetric figure 	 I can interpret and present discrete and continuous data using the appropriate method including bar charts and time graphs. I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and line graphs. 	 and direction I can describe position on a 2D grid as coordinates. I can plot points and draw sides to complete polygons. I can describe movement between positions as translations of a given unit to the left/right and up/down.

Autumn	Number - Place value	Number - Additio	n and subtraction	Number - Multiplic	ation and	Number -	- Fractions A
	 I can read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit. I can count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000. I can interpret negative numbers in context and can count forwards and backwards with positive and negative numbers through zero. I can round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000. Read Roman numerals up to 1,000 and recognise different years written in Roman numerals. 	 I can add and more than fou written metho addition and s I can use roun answer to a ca determine, in problem, leve I can solve add multi-step pro deciding whic methods to us I can add and mentally with numbers. 	 I can add and subtract numbers with more than four digits, using formal written methods of columnar addition and subtraction. I can use rounding to check the answer to a calculation and determine, in the context of the problem, levels of accuracy. I can solve addition and subtraction multi-step problems in context, deciding which operations and methods to use. I can add and subtract numbers mentally with increasingly large numbers. 		aultiples and ng finding all a number and rs of two and and use the prime factors, posite (non- rs. whether a LOO is prime and e numbers up to and use square abers and the uared and plems involving and division wledge of es, squares and	 I can compare and order fractions whose denominators are multiples of the same number. I can identify, name and write equivalent fractions of a given fraction, represented visually (including tenths and hundredths). I can recognise mixed numbers and improper fractions and can convert from one form to the other and write mathematical statements >1 as a mixed number (e.g. 2/5 + 4/5 = 6/5 = 1 1/5). 	
Spring	Number - Multiplication and division	Number - Fractions	Number - Decimals and	percentages	Measurement -		Statistics
	 I can multiply and divide numbers mentally drawing upon known facts. I can multiply numbers up to a four- digit by a one or two-digit number using a more formal written method, including long multiplication for two- digit numbers. I can divide numbers up to four digits by a one-digit number using the formal written method of short 	 I can multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. 	 I can read, write, or numbers with up to places. I can read and write as fractions e.g. 0.7 I can recognise and and relate them to and decimal equival 	der and compare three decimal e decimal numbers 1 is 71/100. use thousandths tenths, hundredths lents.	 Perimeter and area I can measure and calculate the perimeter of composite rectilinear figure in centimetres and metres. I can calculate and compare the area of rectangles (including 		 I can solve comparison, sum and difference problems using information from a line graph. I can complete, read and

	 division and interpret remainders appropriately. I can solve problems involving addition, subtraction, multiplicatio and division and a combination of these including understanding the meaning of the equals sign. 	 I can find a fraction of an amount and a quantity I can use fractions as operators 	 I can round decimal places to the neared and to one decima I can recognise the and understand the 'number of parts p I can solve problem knowing percentage equivalents of ½ ¼ 	Ils with two decimal est whole number I place. percent symbol (%) at percent relates to er 100.' ns which require ge and decimal 1/5 2/5 4/5	quares) using: tandard units, quare centimetres nd square metres. can estimate the rea of irregular hapes.	interpret information from graphs and tables including timetables.
Summer	 Geometry - Shape I can identify 3D shapes I can measure angles in degrees and estimate angles I can draw angles and know the angles of a full turn, half turn, quarter turn I can use the properties of rectangles to deduce facts and find missing lengths and angles I can distinguish between regular and irregular polygons based on reasoning about equal sides and angles 	Geometry - Position and direction I can identify, describe and represent the position of a shape following a reflection or translation. I can reflect or translate a shape and understand that the shape has not changed.	 Number - Decimals I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. I can solve problems involving number up to three decimal places. I can use all for number operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation, including scaling. 	 Number - Negative numbers I can interpret negative numbers in context I can count forwards and backwards with negative and positive whole numbers, including through 0 	 Measurement - Converting units I can convert between different units of metric measure (e.g km and m, cm and m, cm and mm, g and kg, ml and l). I use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. I can solve problems involving converting between units of time. 	Measurement - Volume I can estimate volume (e.g using 1cm^3 blocks to build cuboids) and capacity (e.g using water). I can use all four operations to solve problems involving measure (for example: length, mass, volume and money) using decimal notation including scaling.

Autumn	Number – place value Nu	Number – four operations		Number – fractions A N		Number – fractions B		Measurement – converting	
	 I can read, write, order and compare numbers to at least 10,000,000 and determine the value of each digit. I can solve calculations using negative numbers in context, and calculate intervals across zero. I can round any whole number up to a required degree of accuracy. 	 I can multiply multi-digit numbers up to 4 digits by a one-digit whole number using the formal written method of long multiplication. I can divide numbers up to 4 digits by a one-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders. I can perform mental calculations, including calculations with mixed operations and large numbers. I can identify common factors, common multiples and prime numbers. I can use my knowledge of the order of operations to carry out calculations involving the four 		 I can use common factors to simplify fractions; use common multiples to express fractions in the same denomination I can compare and order fractions, including fractions > 1 I can add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions 		 I can multiply simple pairs of proper fractions, writing the answer in its simplest form I can divide proper fractions by whole numbers 		 I can convert units of measure, using decimal notation up to 3 decimal places I can use, read, write and convert between standard units I can convert measurements of length, mass, volume and time from a smaller unit of measure to a larger unit I can convert between miles and kilometers 	
Spring	Number – Ratio	Number – algebra		oer – decimals	r – decimals Number –		Measurement – area,		Statistics
	I can solve problems	• I can use simile	• I can identify the fractions ,			perimeter and volume		• I can	
	involving the relative	formulae	value of ea		decimals and		 I know that shapes 		interpret
	sizes of 2 quantities	sizes of 2 quantities I can generate and describe linear		given to three		:5	with the same area		and
	be found by using integer	g values call describe linear		decimal places		te a	a perimeters and vice		pie charts
	multiplication and	and I can express missing		and multiply and fraction		with versa			and line
	division facts	number problems		divide numbers division		and I can recognise		gnise	graphs
	 I can solve problems 	I can solve problems algebraically		by 10,100 and calcula		e when it is		possible	 I can
	involving the calculation • I can find pairs of		10	1000 giving decima		to use formulae		mulae for	calculate
	of percentages and the	numbers that satisfy	ar	nswers up to	fraction	۱	area and	volume of	and
	use of percentages for	an equation with 2	th	iree decimal	equival	ents	shapes		interpret
	comparison	comparison unknowns		places					the mean

	 I can solve problems involving similar shapes where the scale factor is known or can be found I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. 	• c pc va	can enumerate ossibilities of ombinations of 2 ariables	 I can multiply one-digit numbers with up to two decimal places by whole numbers I can use writte division methods in cases where the answer has up to two decimal places I can solve problems which require answer to be rounded to specified degrees of accuracy 	• •	for a simple fraction I can recall and use equivalences between simple fractions, decimals and percentages, including different contexts.	 I can calculate the area of parallelograms and triangles I can calculate, estimate and compare volume of cubes and cuboids using standard units, including cubics (cm3 and m3) 	as an average
Summer	 Geometry – shape I can draw 2D shapes using given dimensions and angels I can recognise, describe and build 3D shapes, including making nets I can compare and classify shapes based on their properties I can find unknown angles in triangles, quadrilaterals and polygons Illustrate and name parts of a circle – radius, diameter and circumference I know that angles that meet at a point, are on a straight line or are opposite Geometry – position I can describe coordinate generating given the coordinate generating		n and direction be positions of the ful grid (4 quadrants) nd translate shapes o ate plane and reflect axes	n	hemed projects, - Enterprise - Preparatio	consolidation and problem solv activities on for KS3	ving	