Long T	Term Overview EYFS	Subject: Maths		Subject Lead: Mr C	Bourke	
Nursery	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
General Themes	All about me	Let's Celebrate	Winter Wonderland	Planting & Growing	Who can help me?	Once Upon a Time
Mathematics	confidently, develop a deep opportunities to build and a secure base of knowledge a children to develop their spattitudes and interests in m	understanding of the number pply this understanding -such nd vocabulary from which ma atial reasoning skills across o	rs to 10, the relationships be n as using manipulatives, inclu istery of mathematics is buil- all areas of mathematics inclu ns and relationships, spot con	necessary building blocks to e tween them and the patterns iding small pebbles and tens f t. In addition, it is important uding shape, space and measu nections, 'have a go', talk to c	s within those numbers. By programs for organising counting that the curriculum includes res. It is important that chil	roviding frequent and varieng -children will develop a rrich opportunities for dren develop positive
Mastery of Maths approach used as part of NCETM training Numberblocks used when appropriate to support learning.	Compare small sets of objects by processing language "more than". Build with blocks of different shapes and sizes and loose parts, making good choices based on their understanding of properties. Process simple positional vocabulary in the run of child initiated play. Match pairs to demonstrate a secure grasp of commonality	Compare small sets of objects by processing language "more than" and "fewer than". Count within and up to 5 with correspondence. Count sets to 5, applying the cardinal principle. Use one word informal descriptions of properties of 3D shapes as they build. Process language of everyday size during play. Process and use positional vocabulary in large scale physical play. Sort sets of objects such as building blocks into sets of identical members	Create a set out of positive and negative examples of objects. Use everyday language to compare size	with numbers up to 5. Process and use positional vocabulary accurately when out in the wider locality. Ascribe meaning to 3D shapes when building, according to their properties. Process language to Fill and empty containers. Process language to create structures or arrangements longer, shorter, taller, wider than mine. Finding out how many by	everyday objects such as heavy, tall, big, tiny, full, empty Compare lengths by aligning and accurately identify longer, taller and shorter. Process and use positional vocabulary accurately when describing book illustrations. Continue an ABAB linear pattern with everyday objects.	amounts in stories and rhymes, counting forward and backwards Use a few of their own symbols and marks to represent mathematical experiences. Combine 2D and 3D shape to make new shapes and
Possible linked texts	Rosie's Walk Meg and Mog- Making spells	One duck stuck Supermarket zoo	Who sank the boat? Kipper's Toy Box	caterpillar	10 Little Rubber ducks The Crayons book of numbers.	happen. 10 Little Dinosaurs Walters Wonderful web Nibbles Numbers

Reception	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2			
General Themes	Me & My Emotions	Celebrations of Light	I wonder Why?	New Life	People Who Help Us	Terrific Tales			
Mathematics	Developing a strong grounding in number is essential so that all children develop the necessary building blocks to excel mathematically. Children should be able to count confidently, develop a deep understanding of the numbers to 10, the relationships between them and the patterns within those numbers. By providing frequent and varied apportunities to build and apply this understanding -such as using manipulatives, including small pebbles and tens frames for organising counting -children will develop a secure base of knowledge and vocabulary from which mastery of mathematics is built. In addition, it is important that the curriculum includes rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures. It is important that children develop positive attitudes and interests in mathematics, look for patterns and relationships, spot connections, 'have a go', talk to adults and peers about what they notice and not be afraid to make mistakes. EYFS Statutory Educational Programme								
White Rose Maths	Getting to know you Just Like Me	, , ,	Alive in 5! Growing 6, 7, 8	Growing 6, 7, 8 Building 9 and 10	To 20 and Beyond First and Then	Find my Pattern On the Move			
Numbers Numerical Patterns Mastery of Maths approach used as part of NCETM training Numberblocks used daily/when appropriate to support learning.	Match objects that are the same Sort sets into groups based on attributes. Comparing amounts saying when they have the same, more or fewer. Use language of big, small, little, large to compare objects and order Use language of tall, long and short to compare and order objects. Exploring Patterns—Complete AB visual linear patterns (NCETM Progression) Narrate pattern of the school day using now, next, after, before.	Recognise the odd one out in a set. Count backwards within 10, understanding the number before and counting back from a given number Number composition to 5. Subitising Positional language with 3D shapes 2D shape properties Qualitative comparison of mass and capacity. Make AB transient linear pattern Talk about the pattern of a	Compare length and height Composition 6, 7 and 8, partitioning and recombining Subitise to 5. Narrate the pattern of a week using today, tomorrow, yesterday Design with 2D shapes. Make 2D shapes out of other	by pair wise and five wise patterns on 10s frames Subitise to 5. Designs with 2D shapes - problems and properties. Sort 2D shapes according to properties. Narrate the pattern of a	Demonstrate understanding of the composition of 9 and 10 by partitioning and recombining and pair wise and five wise patterns on 10s frames Recall and apply double 1 to double 5 Recall subtraction facts within 5 and apply Recall evens and odds and apply Count by rote to 100, recognising decade numbers. Design 3D shapes on mirrors Make 3D shapes out of 2D shapes Narrate the pattern of a week using the names of days, weekend, today, tomorrow, yesterday	Verbally count beyond 20. Notice and talk about patterns on a 100 square. Recall and apply doubles and halves within 10 Continue and create more complex patterns. Continue and create circular and symmetrical designs with 2D and 3D shapes			
Possible linked texts	Squash & Squeeze Monkey Puzzle Button Box A New House for Mouse	Circle /Triangle Rosie's Walk The Very Hungry Caterpillar Kipper's Birthday Bear in a square Day Monkey, Night Monkey The Dark, Dark Tale	Anno's Counting Book None the Number Balancing Act Six Dinner Sid The Ugly Five Simon's Sock	Anno's Counting Book Ten Black Dots Pattern Fish Mouse Count How long is a whale? Titch Mr Wolf's Week	One is a snail ten is a crab Which is Round? Which is Bigger? One to ten and back again Mouse Count Mr Grumpy's Outing One Ted falls out of bed	Double Dave Bean Thirteen One Odd Day The Doorbell Rang How Many Legs? Pattern Fish Once Upon a time map book In every house on every street			

Long Term Overview	Subject: Maths	Subject Lead:	Mr C Bourke			
Y.G	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Knowledge (Breadth) 1	Place Value (within 10) 4wks Addition + Subtraction (within 10) 5wks	Addition+Subtraction cont Shape 1 wk Place Value (within 20) 2wks	Addition + Subtraction (within 20) 4wks Place Value (within 50; Inc. multiples 2 & 5) 3wks		Multiplication + Division (inc. 2,5,10) 3wks Fractions 2wks	Position + Direction 1wk Place Value (within 100) 2 wks Money 1wk Time 2wks
AIMS	 conceptual understanding at reason mathematically by mathematical language can solve problems by applications 	mentals of mathematics, included the ability to recall and app following a line of enquiry, con ying their mathematics to a volume of persevering in seeking solutions.	ly knowledge rapidly and accu jecturing relationships and go ariety of routine and nonrouti	uent practice with increasurately. eneralisations, and develo	oping an argument, justificat	r time, so that pupils develop
Number <u>Place value</u>	 count to and across 100, for count, read and write number given a number, identify one 	rwards and backwards, beginniers to 100 in numerals; count is more and one less bers using objects and pictori	ng with 0 or 1, or from any gin multiples of twos, fives and all representations including t	d tens	the language of: equal to, mo	ore than, less than (fewer),
Number <u>Addition +</u> <u>Subtraction</u>	 represent and use number add and subtract one-digit solve one-step problems the 		facts within 20 ncluding zero tion, using concrete objects (and pictorial representat		
Number <u>Multiplication+</u> <u>Division</u>	 solve one-step problems inv the teacher 	olving multiplication and division	on, by calculating the answer	usi <mark>ng conc</mark> rete objects, p	oictorial representations and	l arrays with the support of
Number	 recognise, find and name a 					
<u>Fractions</u>		quarter as one of four equal po		uantity.		
Geometry	2-D shapes [for example, re3-D shapes [for example, co	2-D and 3-D shapes, including ctangles (including squares), caboids (including cubes), pyramand movement, including whole	ircles and triangles] ids and spheres].	irter turns.		
Measurement	 lengths and heights [for example mass/weight [for example capacity and volume [for example, quicker measure and begin to recovalue of different denominations sequence events in chronol recognise and use language 	ample, long/short, longer/shor heavy/light, heavier than, ligh ample, full/empty, more than, , slower, earlier, later] rd the following: * lengths and	rter, tall/short, double/half] nter than] less than, half, half full, quan I heights * mass/weight * co or example, before and after ys of the week, weeks, month	rter] apacity and volume * time , next, first, today, yeste as and years		

Long Term Overview	Subject: Maths		Subject Lead: Mr C Bo	ourke		
YG	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Knowledge (Breadth) 2	Place Value 3wks Addition+Subtraction 5wks	Addition+Subtraction cont Money 2wks Multiplication+Division 2wks	Multiplication + Division 4wks Statistics 2wks	Shape 3wks Fractions 3wks	Length + Height 2wks Position + Direction 2wks Problem solving 2wks	Time 2wks Capacity + Temp. 3wks Investigation 1 wk
AIMS	 become fluent in the fundamental the ability to recall and apply reason mathematically by for 	htals of mathematics, including through knowledge rapidly and accurately. llowing a line of enquiry, conjecturing re ng their mathematics to a variety of ro	elationships and generalisations, and de	eveloping an argument, ju	ems over time, so that pupils developed stification or proof using mathemat	conceptual understanding and ical language
Number <u>Place value</u>	 recognise the place value of e identify, represent and estimate compare and order numbers for 	rom 0, and in tens from any number, for ach digit in a two-digit number (tens, or ate numbers using different represent rom 0 up to 100; use and = signs least 100 in numerals and in words cts to solve problems.	nes)			
Number <u>Addition +</u> <u>Subtraction</u>	 applying their increasing know recall and use addition and sub add and subtract numbers using one-digit numbers show that addition of two numbers 	ctorial representations, including those ledge of mental and written methods otraction facts to 20 fluently, and dering concrete objects, pictorial representations can be done in any order (commutationship between addition and subt	ve and use related facts up to 100 tations, and mentally, including: a two-ative) and subtraction of one number f	-digit number and ones &		two-digit numbers & adding three
Number <u>Multiplication+</u> <u>Division</u>	 calculate mathematical staten show that multiplication of tw 	nd division facts for the 2,5 and 10 munents for multiplication and division witon on numbers can be done in any order (condication and division, using materials, and division which was a division with the division and division with the divis	hin the multiplication tables and write mmutative) and divis <mark>ion</mark> of one number	them using the multiplicates by another cannot		
Number Fractions		re fractions 3 <mark>1 , 4 1 , 4 2 and</mark> 4 3 of a le ample, 2 1 of 6 = 3 and recognis <mark>e the</mark> equ		У		
Geometry	 identify and describe the properties identify 2-D shapes on the sure compare and sort common 2-D order and arrange combination 	perties of 2-D shapes, including the nurberties of 3-D shapes, including the nurberties of 3-D shapes, [for example, a cire and 3-D shapes and everyday objects and of mathematical objects in patterns to describe position, direction and move (clockwise and anticlockwise).	nber of edges, vertices and faces rcle on a cylinder and a triangle on a py and sequences	ramid]	netween rotation as a turn and in ter	rms of right angles for quarter,
Measurement Statistics	rulers, scales, thermometers compare and order lengths, n recognise and use symbols for find different combinations or solve simple problems in a pro- compare and sequence interv tell and write the time to five know the number of minutes interpret and construct simple	nass, volume/capacity and record the re or pounds (£) and pence (p); combine am of coins that equal the same amounts of actical context involving addition and su als of time e minutes, including quarter past/to the in an hour and the number of hours in a e pictograms, tally charts, block diagra	esults using >, < and = nounts to make a particular value money ubtraction of money of the same unit, i e hour and draw the hands on a clock for a day. ms and simple tables	including giving change ace to show these times		earest appropriate unit, using
	 ask and answer simple question 	ons by counting the number of objects out totalling and comparing categorical	in each category and sorting the categ	gories by quantity		

	YG	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
Knowledge (Breadth)	3	Place Value 3wks Addition + Subtraction 5wks	Addition + Subtraction cont Multiplication + Division 4wks	Multiplication + Division 3wks Money 1wk Statistics 2wks	Length + Perimeter 3wks Fractions 2 wks	Fractions 3wks Time 3wks	Shape 2wks Mass & capacity 3wks		
AIMS		the ability to recall and appl • reason mathematically by t	nentals of mathematics, including through y knowledge rapidly and accurately. following a line of enquiry, conjecturing re ying their mathematics to a variety of row ons.	n varied and frequent prace	tions, and developing an argument,	justification or proof using ma	thematical language		
Number <u>Place value</u>		 count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number recognise the place value of each digit in a three-digit number (hundreds, tens, ones) compare and order numbers up to 1000 identify, represent and estimate numbers using different representations read and write numbers up to 1000 in numerals and in words solve number problems and practical problems involving these ideas. 							
Number <u>Addition +</u> <u>Subtraction</u>		 add and subtract numbers r add and subtract numbers estimate the answer to a co 	nentally, including: a three-digit number with up to three digits, using formal writ ulculation and use inverse operations to ch issing number problems, using number fac	ten methods of columnar a neck answers	ddition and subtraction	nber and hundreds			
Number Multiplication+ <u>Division</u>		 recall and use multiplication write and calculate mathem progressing to formal written 	and division facts for the 3, 4 and 8 multation and catical statements for multiplication and c	tiplication tables division using the multiplica	tion tables that they know, includi				
Number <u>Fractions</u>		 count up and down in tenths, recognise, find and write from the recognise and use fractions recognise and show, using down add and subtract fractions 	recognise that tenths arise from dividing actions of a discrete set of objects: unit as numbers: unit fractions and non-unit in including a sumbers: unit fractions and non-unit in including a sum of the same denominator within one what is a sum of the above	fractions and non-unit fra fractions with small denom lenominators nole [for example, 75+71	ctions with small denominators inators	ers or quantities by 10			
Geometry		 draw 2-D shapes and make 3 recognise angles as a prope identify right angles, recognise 	B-D shapes using modelling materials; recorty of shape or a description of a turn nise that two right angles make a half-turical lines and pairs of perpendicular and pairs and pairs of perpendicular and pairs and	rn, three make three quart			are greater than or less than a righ		
							-		
Measurement		 measure, compare, add and s measure the perimeter of s add and subtract amounts of tell and write the time from estimate and read time with noon and midnight know the number of second 	subtract: lengths (m/cm/mm); mass (kg/g simple 2-D shapes f money to give change, using both £ and n an analogue clock, including using Roman increasing accuracy to the nearest minus s in a minute and the number of days in e s [for example to calculate the time take	p in practical contexts numerals from I to XII, a te; record and compare tim ach month, year and leap y	ne in terms of seconds, minutes and ear	d hours; use vocabulary such as	o'clock, a.m./p.m., morning, afterno		

	Y G	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2			
Knowledge (Breadth)	4	Place Value 4wks Addition + Subtraction	Length +Perimeter 2wks Multiplication + Division	Multiplication + Division 3wks Area 1wk	Fractions cont Decimals 3wks	Decimals 2wks Money 2wks	Statistics 2wks Shape 2wks Position + Direction			
		3wks	3wks	Fractions 4wks		Time 2wks	2wks			
AIMS		 the ability to recall and appl reason mathematically by t can solve problems by apply persevering in seeking solution 	 become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately. reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language can solve problems by applying their mathematics to a variety of routine and nonroutine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions. 							
Number <u>Place value</u>		 order and compare numbers be identify, represent and estima round any number to the neare solve number and practical pro 	iven number to include negative numbers ch digit in a four-digit number (thousands, h yond 1000 te numbers using different representations	increasingly large positive numb						
Number		 add and subtract numbers with 	up to 4 digits using the formal written meth							
<u>Addition +</u> <u>Subtraction</u>		·	rions to check answers to a calculation wo-step problems in contexts, deciding which	h operations and methods to us	e and why.					
Number <u>Multiplication+</u> <u>Division</u>		 use place value, known and der recognise and use factor pairs multiply two-digit and three-d 	n facts for multiplication tables up to 12 × 12 ived facts to multiply and divide mentally, in and commutativity in mental calculations igit numbers by a one-digit number using for lying and adding, including using the distribu	cluding: multiplying by 0 and 1; command the command of the comman	(3)		e problems such as n objects are conno			
Number <u>Fractions+</u> <u>Decimals</u>		 count up and down in hundredt solve problems involving increa add and subtract fractions wit recognise and write decimal equence recognise and write decimal equence find the effect of dividing a or round decimals with one decimal compare numbers with the same 	uivalents of any number of tenths or hundre	viding an object by one hundred es, and fractions to divide quant dths ifying the value of the digits in all places	ities, including non-unit fractions wh					
Geometry		 compare and classify geometric identify acute and obtuse angle identify lines of symmetry in 2- 	shapes, including quadrilaterals and triangles and compare and order angles up to two rides and presented in different orientation gure with respect to a specific line of symme	s, based on their properties and ght angles by size is	l sizes					
Measurement		 Convert between different unit measure and calculate the peri find the area of rectilinear sha estimate, compare and calculat read, write and convert time be 	s of measure [for example, kilometre to met meter of a rectilinear figure (including squar	re; hour to minute] res) in centimetres and metres unds and pence clocks	g having					
Statistics			and continuous data using appropriate graph	ical methods, including bar char	ts and time graphs.					

	УG	Autumn 1	Autumn 2	Subject Lead: Mr (Spring 2	Summer 1	Summer 2
				<u> </u>			
Knowledge	5	Place Value 3wks	Multiplication + Division 3wks	Multiplication + Division	Fractions cont	Decimals 4wks	Position + Direction 2wk
(Breadth)		Addition + Subtraction	Perimeter + Area 2wks	3wks			
		2wks		Fractions 6 wks	Decimals + Percentages	Shape 3wks	Converting units 2wks
		Statistics 2wks			2wks		Volume 1wk
AIMS		apply knowledge rapidly and • reason mathematically by	nentals of mathematics, including through vari accurately. following a line of enquiry, conjecturing relatio ing their mathematics to a variety of routine o	onships and generalisations, and develo	ping an argument, justification or pr	oof using mathematical langua	ge
Number			are numbers to at least 1 000 000 and determ				
Place value			ds in steps of powers of 10 for any given numb				
			in context, count forwards and backwards wit 30 000 to the nearest 10, 100, 1000, 10 000 a		s, including through zero		
			practical problems that involve all of the above				
			00 (M) and recognise years written in Roman n				
Number		 add and subtract whole num 	bers with more than 4 digits, including using f		tion and subtraction)		
Addition +			nentally with increasingly large numbers				
Subtraction			ers to calculations and determine, in the conte				
Subtraction		Solve addition and subtraction	on multi-step problems in contexts, deciding w	vnich operations and methods to use al	nd why.		
Number		 identify multiples and factor 	ors, including finding all factor pairs of a numb	per, and common factors of two numbe	rs		
			y of prime numbers, prime factors and compos				
<u>lultiplication+</u>			up to 100 is prime and recall prime numbers u				
<u>Division</u>			gits by a one- or two-digit number using a form	nal written method, including long mult	tiplication for two-digit numbers		
			mentally drawing upon known facts ts by a one-digit number using the formal writ	ton mathed of short division and inter	nnet nemaindens ennuenziately for th	oo contoyt	
			umbers and those involving decimals by 10, 100		pres remainders appropriately for th	le context	
		manipiy and arriae where n					
Number			s whose denominators are all multiples of the s		1 2 -		
Fractions+			<mark>livalent fractions of a given fraction, r</mark> epres <mark>er</mark>				
Decimals			d improper fractions and convert from one fo			[EG, 52 + 54 = 56 = 151]	
Decimais			with the same denominator and denominators; ad mixed numbers by whole numbers, supporte	•			
			pers as fractions [for example, 0.71 = 100 71]	·			
			ths and relate them to tenths, hundredths an				
			cimal places to the nearest whole number and	· · · · · · · · · · · · · · · · · · ·			
			pare numbers with up to three decimal places				
			nber up to three decimal places			1 100	
			ool (%) and understand that per cent relates to valents of 21 , 41 , 51 , 52 , 54 and those f			denominator 100, and as a dec	imal solve problems which require Knowir
Geometry			ng cubes and other cuboids, from 2-D represen		pic 0, 10 0, 25.		
Geometry			n degrees: estimate and compare acute, obtus				
		 draw given angles, and measure 					
			and one whole turn (total 3600) * angles at		n (total 180o) 🌲 other multiples of 9	900	
			ngles to deduce related facts and find missing				
4			and irregular polygons based on reasoning abounits of metric measure (for example, kilometi		continuetro and millimetros enom and	kilogram: litro and millilitro	
Measurement			units of metric measure (for example, kilometi nate equivalences between metric units and co			knogram, intre and millitre)	
			erimeter of composite rectilinear shapes in ce		6		
		•	rea of rectangles (including squares), and inclu		imetres (cm2) and square metres (n	n2) and estimate the area of	irregular shapes
		 estimate volume [EG, using 	1 cm3 blocks to build cuboids (including cubes)				•
		•	overting between units of time				
	1	- use all four energtions to se	lua probleme involvina maggina FEC langth me	ace volume money lucino decimal nota	tion including scaling		
Statistics			lve problems involving measure [EG, length, mo ifference problems using information presente		non, including scaling.		

ong Term Overview Subject: Maths Subject Lead: Mr C Bourke								
		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Knowledge (Breadth)	6	Place Value 2wks 4 operations (+-x\) 4wks	Fractions 4wks Position + Direction 1wk	Decimals 2wks Percentages 2wks Algebra 2wks	Converting units 1wk Perimeter +Area + volume 2wks Ratio 2wks	Properties of Shape 2wks Problem Solving 3wks Statistics 2wks	Investigations 4wks	
AIMS		the ability to recall and app reason mathematically by	mentals of mathematics, including thro ly knowledge rapidly and accurately. following a line of enquiry, conjecturing ring their mathematics to a variety of r ions.	relationships and generalisation	ce with increasingly complex pro ons, and developing an argument,	justification or proof using mathem	atical language	
Number <u>Place value</u>		 count forwards or backwards in interpret negative numbers in round any number up to 1 000 solve number problems and pra 	numbers to at least 1 000 000 and determ a steps of powers of 10 for any given number context, count forwards and backwards with 000 to the nearest 10, 100, 1000, 10 000 a ctical problems that involve all of the above M) and recognise years written in Roman numbers.	er up to 1 000 000 th positive and negative whole num nd 100 000 e	abers, including through zero	3		
Number <u>Addition +</u> <u>Subtraction</u>		 add and subtract whole number add and subtract numbers mer use rounding to check answers 	rs with more than 4 digits, including using f ntally with increasingly large numbers to calculations and determine, in the conte multi-step problems in contexts, deciding u	ormal written methods (columnar o xt of a problem, levels of accuracy		9		
Number Multiplication+ <u>Division</u>		 know and use the vocabulary of establish whether a number upon the multiply numbers upon to 4 digits and divide numbers of the multiply and divide numbers upon to 4 digits to multiply and divide whole numbers of the solve problems involving multipon to solve problems involving additional contents. 	including finding all factor pairs of a number prime numbers, prime factors and composite to 100 is prime and recall prime numbers by a one- or two-digit number using a for entally drawing upon known facts by a one-digit number using the formal writters and those involving decimals by 10, 100 dication and division including using their known, subtraction, multiplication and division including scaling by signification and division, including scaling by signification.	site (nonprime) numbers up to 19 mal written method, including long ten method of short division and in and 1000recognise + use square n nowledge of factors and multiples, and a combination of these, includi	multiplication for two-digit numbers nterpret remainders appropriately f umbers and cube numbers, and notal squares and cubes ng understanding the meaning of the	or the context ion for squared+ cubed		
Number <u>Fractions+</u> <u>Decimals</u>		mixed numbers and improper for denominator and denominators [for example, 0.71 = 100 71] & read, write, order and compare	hose denominators are all multiples of the stactions and convert from one form to the that are multiples of the same number * numbers and use thousandths and related numbers with up to three decimal places are ercentages as a fraction with denominator or 25.	other and write mathematical state nultiply proper fractions and mixed them to tenths, hundredths and do solve problems involving number of	tements > 1 as a mixed number [for e d numbers by whole numbers, suppor ecimal equivalents & round decimals up to three decimal places & recogni	xample, 5 2 + 5 4 = 5 6 = 1 5 1] * add a ted by materials and diagrams * read a with two decimal places to the nearest se the per cent symbol (%) and underst	nd subtract fractions with the same ad write decimal numbers as fractio whole number and to one decimal pla and that per cent relates to 'number	
Geometry		 know angles are measured in d draw given angles, and measure identify: * angles at a point ar use the properties of rectangle distinguish between regular and 	cubes and other cuboids, from 2-D represe egrees: estimate and compare acute, obtus them in degrees (o) and one whole turn (total 360o) and angles at to deduce related facts and find missing dirregular polygons based on reasoning about the position of a shape following a refle	e and reflex angles * a point on a straight line and 2 1 a lengths and angles out equal sides and angles.	(8)			
Measurement		 convert between different unit understand and use approxima measure and calculate the per (cm2) and square metres (m2) estimate volume [for example, 	ts of metric measure (for example, kilometric te equivalences between metric units and c imeter of composite rectilinear shapes in c and estimate the area of irregular shapes using 1 cm3 blocks to build cuboids (includenting between units of time * use all four of	re and metre; centimetre and met ommon imperial units such as inche entimetres and metres * calculate ing cubes)] and capacity [for exam	re; centimetre and millimetre; grames, pounds and pints e and compare the area of rectangles uple, using water]	and kilogram; litre and millilitre) s (including squares), and including using		
Statistics			erence problems using information present					