

	Guidance Areas	A	utumn		Spring		Summer
	Aleas	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
Nursery	Procedural/ Conceptual Skills • Number sense to 3 • Visual Patterns • Number songs and rhymes • Composition of numbers to 3 • Concept images to 3 • Correspondence 1:1 • Exploration of numbers and numerals to 5 • Numerals of significant importance • Matching like for like • Stable order count • Itemising • Tagging • Selecting a small number of objects from a group • Describing size • 2D shapes • Capacity • Exploring shape through construction/loose parts • Anticipating specific time-based events			 Number sense Movement pat composition of Concept imag Cardinality Conservation of Sharing objects Sorting – exact attribute Categorising Introduction of reciting numbe Explorations of Positional langu Numbers in the 	terns numbers to 4 es to 4 if number more' matching/sorting by a single 5 frames rs in order to 5 rage of time space/area	 Number sense to 5+ Temporal patterns Numeral patterns Composition of numbers to 5 Concept images to 5 Exploration of more/less sharing into equal parts Introduced to simple board games Subitising to 5 Practical combining/addition Number bonds to 5 Sorting and categorising by given and own criteria Exploration of same/different Assigning numeral to quantity Weight Practical subtraction 	
Reception	Procedural/ Conceptual Skills	 Representing r different ways Reciting numb more/less/fewe Exploring mone Describing 2D = Positional lang Matching num Practical addit Sorting and ca criteria Binary sort Introduction to 	s to 5 erns trns terns f numbers to 5+ numbers and quantities in ers in order to 10 er ey shapes uage eral to quantity ion tegorising by own and given	 Sustained cons Practical addit Tally system Recording mat information/reg Sequencing ev language/con 	to 10 atterns in numbers to 10 es to 10 ematical problems truction ion and subtraction hematical presentation ents and exploring	Concept image Halving/doub Comparing se Use and apply number track Describing 3D Refined constr Language to position, distan Compare qua Solve practice	d 20 erns of numbers to 15 ges to 15 ling ets y skills on a number line and a shape ruction talk about size, weight, capacity, nce, time antities and objects



	Guidance Areas	A	utumn	Spr	ing	Sum	nmer	
	Aleus	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2	
		• weight				 Explore characteristics of everyday objects and shapes and use mathematical language to describe them Estimate Measure, weigh and compare Order objects Talk about properties and position Addition and subtraction sentences Even/odd numbers 		
	Topic(s) (Application Topics)	Number and Place Value (Counting, Reading and than) Measurement - Describe length, h volume. - Coins and notes		Properties of Shape Add and Subtract (to 20) Measurement - Compare length, heig - Coins and notes	ht, mass, capacity, volume.	Multiplication and Division Fractions Geometry - Position (turns) Measurement - Time		
Year 1	Procedural/ Conceptual Skills	 Count to and across backwards, beginn given number Count, read and wri to 20 in numerals; c fives and tens Given a number, idea less Identify and represe and pictorial represe number line, and us 	ing with 0 or 1, or from any te numbers ount in multiples of twos, entify one more and one nt numbers using objects entations including the e the language of: equal han (fewer), most, least bers from 1 to 20 in	 involving addition (+), su (=) signs Represent and use num subtraction facts within Add and subtract one-or to 20, including zero Solve one-step problem subtraction, using concil 	le, rectangles (including ingles] e, cuboids (including oheres]. et mathematical statements ubtraction (–) and equals ber bonds and related	equal parts of an object, shape or quantity.		
	Key Fluency Facts	Number bonds for each number to 6	Count forward and backward in steps of 2, 5 and 10	Doubles and halves of numbers to 10.	Number bonds to 10	Name and number of days of the week, months of the year and seasons.	Number bonds for each number to 10	
	Key Fluency Skills	Counting forwards and b Counting in 10s Doubling and halving Partitioning numbers Recalling 10 times table t	ackwards up to 20	Counting forwards and back Counting in 10s and 5s Doubling and halving Partitioning numbers Identifying one more, Identif		Counting forwards and back Counting in 10s, 5s and 2s Doubling and halving Partitioning numbers Identifying one more, Identif		



	Guidance	A	utumn	Spr	ing	Sun	nmer	
	Areas	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2	
				Recalling 10 and 5 times tab Mentally adding and subtrac		Recalling 2, 5, 10 times table Mentally adding and subtra		
				Memory adding and sobirat	, mig	Comparing numbers (<, > or		
						Ordering numbers		
	Topic(s) (Application	Number and Place Value	•	Money		Time		
	Topics)	Addition and subtraction		Multiplication and division		Fractions		
		Measurements	stable as an functional	Charles I.		Common la c		
		 Describe length, h capacity, volume, 	eight, mass/weight, temperature	Statistics		Geometry		
		Statistics						
	C1.311-		L E france O and the 10s france				en vede a filling a	
	Skills	any number, forward and	d 5 from 0, and in 10s from d backward	recognise and use symbols f (p); combine amounts to mo		compare and sequence int	ervals of lime	
					·	tell and write the time to five		
		recognise the place valu digit number (10s, 1s)	e of each digit in a two-	find different combinations of amounts of money	of coins that equal the same	past/to the hour and draw the hands on a clock for show these times		
		aigir normber (10s, 1s)		difficultis of money		show mese imes		
		identify, represent and estimate numbers using		solve simple problems in a p			s in an hour and the number	
		different representations, including the number line		addition and subtraction of including giving change	money of the same unit,	of hours in a day		
5			bers from 0 up to 100; use $<$,		and the loss frame and	recognise, find, name and v		
Year 2		> and = signs		count in steps of 2, 3, and 5 t number, forward and backy		and 3/4 of a length, shape,	set of objects of quantity	
~		read and write numbers	to at least 100 in numerals			write simple fractions, for exe		
		and in words		recall and use multiplication 5 and 10 multiplication table		recognise the equivalence	of 2/4 and 1/2	
		use place value and nun	nber facts to solve problems	odd and even numbers	s, inclouing recognising	identify and describe the pr	operties of 2-D shapes,	
						including the number of side	es, and line symmetry in a	
		solve problems with addi	nd pictorial representations,	calculate mathematical sta and division within the multip		vertical line		
		including those involving		them using the multiplication		identify and describe the pr	operties of 3-D shapes,	
		measures		(=) signs		including the number of edg	ges, vertices and faces	
		applying their increasing	knowledge of mental and	show that multiplication of 2	numbers can be done in	identify 2-D shapes on the su	urface of 3-D shapes, [for	
		written methods		any order (commutative) ar		example, a circle on a cylin		
		recall and use addition of	and subtraction facts to 20	another cannot		pyramid]		
			use related facts up to 100	solve problems involving mu		compare and sort common	2-D and 3-D shapes and	
				using materials, arrays, repea	ated addition, mental	everyday objects		
		add and subtract number pictorial representations,	ers using concrete objects,	methods, and multiplication problems in contexts	and division facts, including			
		pierona representations,	and meridity, incloaing.					



	Guidance Areas	Au	utumn	Spi	ring	Sun	nmer
	Alcus	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
		a two-digit number and 1s a two-digit number and 10s 2 two-digit numbers adding 3 one-digit numbers show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems compare and order lengths, mass, volume/capacity and record the results using >, < and = choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels		interpret and construct simple pictograms, tally charts, block diagrams and tables ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity ask-and-answer questions about totalling and comparing categorical data		order and arrange combinations of mathematical objects in patterns and sequences use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)	
	Key Fluency Facts	Number bonds to 20.	Multiplication and division facts for the 10 times table.	Doubles and halves of numbers to 20.	Multiplication and division facts for the 5 times table.	Addition and subtraction facts for multiples of 10 to 100	Multiplication and division facts for the 2 times table
	Key Fluency Skills	Counting forwards and b Counting in 10s Doubling and halving Partitioning numbers Recall of 10 times table for		Counting forwards and back Counting in 10s and 5s Doubling and halving Partitioning numbers Recognising One more, Rec Recall of 10 and 5 times tab Mental addition and subtrac	ognising One less les	Counting forwards and back Counting in 10s, 5s and 2s Doubling and halving Partitioning numbers Recognising One more, Rec Recall of 2, 5, 10 times table: Mental addition and subtrace Compare numbers (<, > or = Order numbers	ognising One less s s tion
Year 3	Topic(s) (Application Topics)	Number and Place Value Addition and Subtraction		Multiplication and Division Time		Fractions Geometry	
Å		Measures (measure, con Statistics	npare, add, subtract)	Money (add and subtract) Statistics			



Guidance Areas			Spi	ring	Sum	mer
Aleus	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
Skills	count from 0 in multiples or 100 more or less than c	of 4, 8, 50 and 100; find 10 a given number	recall and use multiplication 4 and 8 multiplication tables		Count up and down in tenth arise from dividing an object dividing one-digit numbers o	into 10 equal parts and ir
	recognise the place value of each digit in a 3-digit number (100s, 10s, 1s) compare and order numbers up to 1,000 identify, represent and estimate numbers using different representations		write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to		Recognise, find and write fro objects: unit fractions and no denominators	
			formal written methods	ental ana progressing to	Recognise and use fractions	as numbers: unit fractions
		up to 1,000 in numerals and	solve problems, including mi involving multiplication and	division, including positive	and non-unit fractions with s	mall denominators
	in words solve number problems c	and practical problems	integer scaling problems and in which n objects are conne	d correspondence problems ected to m objects	Recognise and show, using of fractions with small denomin	
	involving these ideas		tell and write the time from a including using Roman nume		Add and subtract fractions v within one whole	vith the same denominat
	a three-digit number and	dd and subtract numbers mentally, including: three-digit number and 1s three-digit number and 10s estimate and read time with increasing accurac		increasing accuracy to the	Compare and order unit frac the same denominators	ctions, and fractions with
	a three-digit number and		nearest minute; record and seconds, minutes and hours;	compare time in terms of	Solve problems that involve a	all of the above.
	add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction estimate the answer to a calculation and use inverse operations to check answers		o'clock, am/pm, morning, afternoon, noon and midnight know the number of seconds in a minute and the number of days in each month, year and leap year		measure the perimeter of sin	nple 2-D shapes
					draw 2-D shapes and make 3-D shapes using modell materials; recognise 3-D shapes in different orientation and describe them	
		missing number problems, e value, and more complex	compare durations of event the time taken by particular		recognise angles as a prope description of a turn	rty of shape or a
	addition and subtraction		add and subtract amounts of using both £ and p in practic		identify right angles, recogni	
	measure, compare, add (m/cm/mm); mass (kg/g		interpret and present data u and tables	using bar charts, pictograms	a half-turn, 3 make three-que complete turn; identify whet or less than a right angle	
	interpret and present data using bar charts, pictograms and tables		solve one-step and two-step questions [for example 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables		identify horizontal and vertic perpendicular and parallel li	
Key Fluency Facts	Number bonds for all numbers to 20.	Multiplication and division facts for the 4 times table.	Multiplication and division facts for the 8 times table	Multiplication and division facts for the 3 times table.	Recall facts about durations of time.	Doubles and halves of All numbers to 20



	Guidance Areas	Αι	utumn	Sp	ing	Sur	nmer
	Alcus	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
							All multiples of 10 to 500 All multiples of 100 to 5000
	Key Fluency Skills	Make representations of Counting in multiples 2, 5, 10, 4 Find more and less Order numbers Read and write numbers Partition numbers Mental addition and subt	than a number in numerals and words	Make representations of nur Counting in multiples 2, 5, 10, 4, 8, 3 Find more and less the Order numbers Read and write numbers in r Partition numbers Mental addition and subtract Roman numerals Comparing numbers (<, > or	an a number numerals and words : tion	Make representations of nu Counting in multiples 2, 5, 10, 4, 8, 3 Find more and less th Order numbers Read and write numbers in Partition of numbers Mental addition and subtra Roman numerals Comparing numbers (<, > o Rounding	an a number numerals and words ction
	Topic(s) (Application Topics)	Number and Place Value Addition and Subtraction	ition and Subtraction Fractions		Geometry Time		
		Statistics				Measures	
	Skills	count in multiples of 6, 7, 9, 25 and 1,000 find 1,000 more or less than a given number count backwards through 0 to include negative numbers		recall multiplication and division facts for multiplication tables up to 12 × 12 use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers		compare and classify geon quadrilaterals and triangles and sizes identify acute and obtuse o order angles up to 2 right a	, based on their properties
Year 4		recognise the place value of each digit in a four- digit number (1,000s, 100s, 10s, and 1s) order and compare numbers beyond 1,000 identify, represent and estimate numbers using different representations round any number to the nearest 10, 100 or 1,000 solve number and practical problems that involve all of the above and with increasingly large positive numbers read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of 0 and place value		recognise and use factor pairs and commutativity in mental calculations		identify lines of symmetry in 2-D shapes presented in different orientations	
X				multiply two-digit and three-digit numbers by a one-digit number using formal written layout solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects Recognise and show, using diagrams, families of common equivalent fractions		specific line of symmetry describe positions on a 2-D grid as coordinates in the first quadrant	



Guidance Areas	А	utumn	Sp	ring	Summer	
Aleus	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
		ers with up to 4 digits using ods of columnar addition appropriate	Count up and down in hundredths; recognise that hundredths arise when dividing an object by a 100 and dividing tenths by 10.		read, write and convert time digital 12- and 24-hour clock solve problems involving con	<s t<="" td=""></s>
			calculate quantities, and fro including non-unit fractions number	reasingly harder fractions to actions to divide quantities, where the answer is a whole with the same denominator	minutes, minutes to seconds days measure and calculate the figure (including squares) in	, years to months, weeks perimeter of a rectilinea
	interpret and present dis using appropriate graph charts and time graphs	crete and continuous data ical methods, including bar	Recognise and write decim number of tenths or hundred Recognise and write decim	dths	Find the area of rectilinear s estimate, compare and cal including money in pounds o	culate different measure
	solve comparison, sum o using information preser pictograms, tables and o	ited in bar charts,	charts, s Find the effect of dividing a on 10 and 100, identifying the valu answer as ones, tenths and hun			
			Round decimals with 1 deci whole number Compare numbers with the places up to 2 decimal place	same number of decimal		
				Solve simple measure and money problems involving fractions and decimals to 2 decimal places.		
Key Fluency Facts	Number bonds to 100.	Multiplication and division facts for the 6 times table.	Multiply and divide single- digit numbers by 10 and 100.	Multiplication and division facts for the 9 , 11 and 7 times tables.	Recognise decimal equivalents of fractions. Convert between the 12 hour and 24 hour clock.	Doubles and halves of All numbers to 50 All multiples of 5 to 100 All multiples of 50 to 50
Key Fluency Skills	Make representations of Counting in multiples 3, 6, 9, 25, 100 and 1000 Find more and les Order numbers Read and write numbers Partition numbers	s than a number	Make representations of nuc Counting in multiples 3, 6, 9, 7, 11, 25, 100, 1000 Find more and less the Order numbers Read and write numbers in r Partition numbers	an a number	Make representations of nur Counting in multiples 3, 6, 7, 9, 11, 12, 25, 100 and Find more and less the Order numbers Read and write numbers in r Partition of numbers	1000 an a number



	Guidance Areas	A	utumn	Spr	ing	Sum	mer	
	, action	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2	
	Topic(s) (Application Topics)	Mental addition and sub Number and Place Value Addition and Subtraction Statistics	e	Mental addition and subtrac Convert to Roman numerals Comparing numbers (<, > or Multiplication and Division Fractions		Mental addition and subtraction Convert to Roman numerals Comparing numbers (<, > or =) Rounding Counting through negative numbers Fractions Geometry Measures		
						Time		
Year 5	Skills	1,000,000 and determine count forwards or backy for any given number up interpret negative numb forwards and backward whole numbers, includin round any number up to 100, 1,000, 10,000 and 10 solve number problems of involve all of the above read Roman numerals to years written in Roman r add and subtract whole digits, including using for (columnar addition and add and subtract numb large numbers	wards in steps of powers of 10 o to 1,000,000 bers in context, count s with positive and negative g through 0 o 1,000,000 to the nearest 10, 00,000 and practical problems that o 1,000 (M) and recognise numerals e numbers with more than 4 mal written methods subtraction) ers mentally with increasingly	identify multiples and factors pairs of a number, and comi know and use the vocabula factors and composite (non- establish whether a number recall prime numbers up to 1 multiply numbers up to 4 dig number using a formal writte multiplication for two-digit nu multiply and divide numbers known facts divide numbers up to 4 digits using the formal written metti interpret remainders approp multiply and divide whole nu decimals by 10, 100 and 1,00 recognise and use square nu and the notation for squared solve problems involving mul- including using their knowled	mon factors of 2 numbers ry of prime numbers, prime prime) numbers up to 100 is prime and 9 its by a one- or two-digit in method, including long umbers mentally, drawing upon is by a one-digit number nod of short division and riately for the context umbers and those involving 00 umbers and cube numbers, d (2) and cubed (3)	Time identify 3-D shapes, including from 2-D representations read and write decimal num- example, 0.71 = 71/100] recognise and use thousand tenths, hundredths and deci read, write, order and comp decimal places round decimals with 2 decim whole number and to 1 deci solve problems involving num- solve problems involving num- recognise the per cent symb per cent relates to 'number of percentages as a fraction w a decimal fraction solve problems which required decimal equivalents of 1/2, those fractions with a denom- 25 identify 3-D shapes, including from 2-D representations	abers as fractions [for ths and relate them to mal equivalents are numbers with up to 3 hal places to the nearest imal place nber up to 3 decimal places her up to 3 decimal places of (%) and understand that of parts per 100', and write ith denominator 100, and as e knowing percentage and 1/4, 1/5, 2/5, 4/5 and hinator of a multiple of 10 or	



Guidance Areas	Autumn		Sp	ring	Sum	mer
7.000	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
Guidance Areas	Term 1 solve addition and subtra	Term 2 ction multi-step problems in operations and methods to ad difference problems ed in a line graph	Term 1 solve problems involving ad multiplication and division a including understanding the solve problems involving mu including scaling by simple f involving simple rates compare and order fraction all multiples of the same nur identify, name and write eq fraction, represented visually hundredths recognise mixed numbers a convert from one form to th mathematical statements > example, 2/5 + 4/5 = 6/5 = 1 add and subtract fractions v and denominators that are number multiply proper fractions and numbers, supported by mat recognise the per cent symt per cent relates to 'number	Term 2 dition, subtraction, nd a combination of these, meaning of the equals sign ltiplication and division, ractions and problems as whose denominators are nber uivalent fractions of a given y, including tenths and nd improper fractions and e other and write 1 as a mixed number [for 1/5] with the same denominator, multiples of the same d mixed numbers by whole erials and diagrams bol (%) and understand that	Term 1 know angles are measured it compare acute, obtuse and draw given angles, and med identify: angles at a point and 1 who angles at a point on a straig 180°) other multiples of 90° use the properties of rectang and find missing lengths and distinguish between regular based on reasoning about e identify, describe and repress following a reflection or tran appropriate language, and not changed convert between different u understand and use approxi- between metric units and co as inches, pounds and pints measure and calculate the rectilinear shapes in centime	Term 2 In degrees: estimate and a reflex angles assure them in degrees (°) le turn (total 360°) In the and half a turn (total gles to deduce related facts angles and irregular polygons equal sides and angles tent the position of a shape station, using the know that the shape has inits of metric measure mate equivalences common imperial units such operimeter of composite thres and metres
					calculate and compare the (including squares) including square centimetres (cm2) an estimate the area of irregula	u using standard units, nd square metres (m2) and r shapes
					estimate volume and capac use all four operations to solv measure using decimal noto	ve problems involving



	Guidance Areas	A	utumn	Spi	ing	Sum	imer
		Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
							verting between units of
	Key Fluency Facts	Decimal number bonds to 1 and 10.	Multiplication and division facts for all times tables up to 12 × 12 Recall square numbers up to 12 ² and their square roots.	Recall metric conversions.	Identify prime numbers up to 20.	Doubles and halves of All numbers to 100 All multiples of 10 to 10,000 All multiples of 100 to 10,000	Find factor pairs of a number. Tests of divisibility for 2, 3, 5, 9 and 10.
	Key Fluency Skills	Consolidate Place value Recap number bonds Recap double and halvii Recite multiplication and Identify and recap facto Convert between differe rounding Recite squared numbers, Multiply by 10, 100, 1000 Find fraction/percentage Recap number lines Solve calculations involvi Identify prime numbers Revise angles Calculate area and perin	ng I division facts rs nt measures fractions and decimals e of an amount ng BODMAS meter	Consolidate Place value Recap number bonds Recap double and halving Recite multiplication and division facts Identify and recap factors Convert between different measures rounding Recite squared numbers, fractions and decimals Multiply by 10, 100, 1000 Find fraction/percentage of an amount Recap number lines Solve calculations involving BODMAS Identify prime numbers Revise angles Calculate area and perimeter Revisit previously taught key fluency skills		Consolidate Place value Recap number bonds Recap double and halving Recite multiplication and division facts Identify and recap factors Convert between different measures rounding Recite squared numbers, fractions and decimals Multiply by 10, 100, 1000 Find fraction/percentage of an amount Recap number lines Solve calculations involving BODMAS Identify prime numbers Revise angles Calculate area and perimeter	
	Topic(s) (Application Topics)	Revisit previously taught key fluency skills Number and Place Value n Four Operations Statistics		Algebra Fractions Measurement		Revisit previously taught key Statistics Geometry Ratio and Proportion	
Year 6	Skills	read, write, order and co 10,000,000 and determin	e the value of each digit r to a required degree of	use simple formulae generate and describe linec express missing number prob find pairs of numbers that sa unknowns enumerate possibilities of co	plems algebraically tisfy an equation with 2	interpret and construct pie c use these to solve problems describe positions on the full quadrants) draw and translate simple sh plane, and reflect them in th	coordinate grid (all 4 apes on the coordinate



Term 1 Term 2 Term 1 Term 2 solve number and practical problems that involve al of the above multiple above multiple to express fractions in the same denomination onignate and area fractions, including in the same denomination of long multiplection and division facts solve problems involving the relative sizes of 2 quantities where missing values can be found by using integer multiples to express fractions in the same denominators and maked numbers; using the concept of equivalent fractions solve problems involving the claube sizes of 2 quantities where missing values can be found by using integer multiples to express fractions, including the calculation of parcentages for example. 3/12 = 1/8] solve problems involving the calculation of parcentages for example. 3/12 = 1/8] divide numbers up to 4 digits by a two-digit number using the formal written method of short divide proper fractions by whole numbers (for example, 1/4 + 1/2 = 1/8) solve problems involving the calculation of parcentages for example. 3/13 (for simple 1/3 + 2 = 1/4] divide numbers up to 4 digits by a two-digit number using the formal written method of short divide proper fractions (for example, 3/8) converting the same areas can multiple fraction equivalents (for example, 3/8) solve problems involving method short fraction equivalents (for example, 3/8) use their knowledge of the order of operations to control to example, addition, subtraction multiples and prime numbers use their knowledge of the order of operations to converting measurements of length, mass, value and filter to perations to a diagen unter- solve problems involving the 4 deperations to condis decalculations and methods solve problems involving t	Guidance Areas	A	utumn	Spr	ing	Sun	nmer
of the above use common factors to implify factions; use common factors to implify factors; use common factors; to implify	Aleus	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
solve problems involving the calculation and conversion convert between miles and kilometres of units of measure, using decimal notation up to 3 decimal places where appropriate		of the above multiply multi-digit number digit whole number using of long multiplication divide numbers up to 4 c number using the formal division, and interpret rer remainders, fractions, or for the context divide numbers up to 4 c using the formal written r where appropriate, inter according to the context perform mental calculati operations and large num identify common factors prime numbers use their knowledge of th carry out calculations invision solve addition and subtra contexts, deciding which use and why solve problems involving multiplication and division use estimation to check determine, in the context appropriate degree of a	ers up to 4 digits by a two- the formal written method igits by a two-digit whole written method of long nainders as whole number by rounding, as appropriate igits by a two-digit number nethod of short division oreting remainders t ons, including with mixed mbers common multiples and he order of operations to rolving the 4 operations action multi-step problems in a operations and methods to addition, subtraction, n answers to calculations and t of a problem, an accuracy	multiples to express fractions compare and order fraction add and subtract fractions v and mixed numbers, using the fractions multiply simple pairs of proper answer in its simplest form [for divide proper fractions by which 1/3 ÷ 2 = 1/6] associate a fraction with divi- fraction equivalents [for example, fraction equivalents [for example, solve problems which requires solve problems which requires decimals and percentages, contexts use, read, write and convert converting measurements of time from a smaller unit of m vice versa, using decimal no places solve problems involving the of units of measure, using decimals and percentages involving the of units of measure, using decimals and places	in the same denomination s, including fractions >1 vith different denominators be concept of equivalent or fractions, writing the r example, 1/4 × 1/2 = 1/8] hole numbers [for example, sion and calculate decimal mple, 0.375] for a simple git in numbers given to 3 and divide numbers by 10, s up to 3 decimal places ith up to 2 decimal places in cases where the answer e answers to be rounded to cy between simple fractions, including in different between standard units, length, mass, volume and easure to a larger unit, and tation to up to 3 decimal calculation and conversion cimal notation up to 3	where missing values can be multiplication and division for solve problems involving the [for example, of measures at the use of percentages for of solve problems involving sim factor is known or can be for solve problems involving une using knowledge of fraction use, read, write and conver- converting measurements of time from a smaller unit of m vice versa, using decimal no places solve problems involving the of units of measure, using de decimal places where appre- recognise that shapes with t different perimeters and vice recognise when it is possible and volume of shapes calculate the area of parall calculate, estimate and con cuboids using standard units centimetres (cm3) and cubo extending to other units	e found by using integer acts e calculation of percentages ind such as 15% of 360] and comparison illar shapes where the scale bund equal sharing and grouping s and multiples t between standard units, of length, mass, volume and heasure to a larger unit, and btation to up to 3 decimal e calculation and conversion ecimal notation up to 2 opriate the same areas can have e versa e to use formulae for area elograms and triangles mpare volume of cubes and s, including cubic ic metres (m3), and



Knowledge and Skills Curriculum Overview

rm 1 e times table facts to ultiply and divide ccimals	Term 2 Identify common factors of a pair of numbers.	Term 1 Convert between	Term 2 Identify prime numbers up	Term 1	Term 2
ultiply and divide cimals			Identify prime numbers up		
		decimals, fractions and percentages.	to 50.	Doubles and halves of 2 digit decimals.	Tests of divisibility for 4 and 6.
cap number bonds cap double and halvin cite multiplication and entify and recap factors onvert between differen unding cite squared numbers, ultiply by 10, 100, 1000 d fraction/percentage cap number lines live calculations involvir entify prime numbers vise angles liculate area and perim	division facts s nt measures fractions and decimals of an amount ng BODMAS neter	Identify and recap factors Convert between different n rounding Recite squared numbers, fra Multiply by 10, 100, 1000 Find fraction/percentage of Recap number lines Solve calculations involving I Identify prime numbers Revise angles Calculate area and perimet	neasures actions and decimals an amount BODMAS rer	Identify and recap factors Convert between different n rounding Recite squared numbers, fra Multiply by 10, 100, 1000 Find fraction/percentage of Recap number lines Solve calculations involving Identify prime numbers Revise angles Calculate area and perimet	neasures ctions and decimals an amount BODMAS er
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Please note: some of the topics may carry over into the next term.