



# Year 1 and 2

Term 1	Place Value	Place Value	Place Value	Place Value	Addition and subtraction	Addition and subtraction	Addition and subtraction	Measures Length and Height
Y1	Counting up to 50 / 100 forwards, backwards in steps of 1,5 and 10 and within measures Recognising coins	Value of digits and number representations Partitioning into tens and ones Coins making amounts	Comparing and ordering numbers and measures including use of number lines and other images	1 more and 1 less 1 more and 1 less within money and measure as well as number	Use of symbols bonds to 5 bonds within 5 for measure 1 more and1 less in measure	Addition bonds for and within 10 bonds to solve problems with money and measure	Subtraction facts within 10 including money	Non-standard units Comparing lengths practically Addition and subtraction problems Counting revisited through scales
Y2	Counting up to 100 Counting from different starting points Counting in 1s,2s,5s and 10s forwards and backwards Recognising coins	Value of digits and number representations Partitioning into multiples of tens and ones Coins making amounts – same amount different coins	Number lines and scales for representing numbers and comparing them with images	comparing and ordering numbers, money and measures 10 more 10 less	Mental strategies for bonds for bonds for 20 and within 20 Include measures	Adding multiples of 10 and adding two digit and two digit, crossing boundaries with single digit Solving problems with money	Subtracting multiples of 10 and subtracting two digit and two digit exchanging with single digit crossing boundaries	Practical problems – use of 10cm rods and rulers Addition and subtraction Problems Counting revisited through length





			Solving	
			problems with	
			money	

Term 2	Place Value	Multiplication and division	Fractions / division - halves and quarters	Fractions	Geometry 2D	Addition and subtraction	Time	Assess and Review
Y1	Counting in 2s, 5s and 10s forwards and backwards in range of contexts Count in money 2p,5p,10p	Doubling to 10 Solve multiplication problems with 2x and division by 2	Exploring ½ in range of contexts and equal parts Link ½ to divide by 2 ½ turns ¼ turns	Finding ½ by sharing sets of objects Find ½ of shapes	Recognise and name 2D shapes	Addition and Subtraction facts for 10 and within 20	O'clock Days of week Months of year 1 more/1 less than Ordering events	Assess and Review T1 and T2
Y2	Counting in 2s, 5s and 10s Sequences and patterns 10 more/10 less 2 more/2 less 5 more/5 less Counting outside of 12 times a number	Number families 2 x table and commutativity 5 x table and commutativity Multiplication and division 10 x table and commutativity	Revisit ½, ¼ and introduce 2/4 and ¾ Finding equal parts ½, ¼, 2/4, ¾ turns	Finding ½, 1/4, 2/4 and ¾ of shapes and numbers	Geometry 2D shapes Recognise, name and properties of 2D shapes ½ and ¼ and ¾ turns	Addition and Subtraction facts for 10 and within 20 recall 2 digit addition and subtraction within 50 -100 and problem solving	Revise days of week, months of year, O'clock and half past – 1 hour more/1 hour less Use clocks – ¼ turns linked to quarter past	Assess and Review T1 and T2





			Use ½ turns	
			linked to half	
			past	
			Use ¾ turns	
			linked to	
			quarter to	
			Count around	
			clock face in 5s	

Term 3	Place Value	Addition and subtraction	Addition and subtraction	Measures	Geometry 3D shape	Time
Y1	Counting to and across 100 1 more and 1 less up to and across 100	Mental strategies for bonds and applying to measure Adding and subtracting 1 digit and 2 digit numbers	Mental strategies for bonds and applying to measure Adding and subtracting 1 digit and 2 digit numbers	Capacity and volume Reading scales and practical problems	Recognise and name 3D shapes Recognise 2D shapes on 3D shapes Include positional language	Compare time problems Begin to measure time Language of o'clock
Y2	Through problem solving Comparing measures up to numbers of 100 Counting in 3s	Addition and subtraction Adding two digit and two digit cross boundaries Including money	Subtracting two digit and two digit cross boundaries Including money Addition and subtraction through statistics	Capacity and volume – reading scales and practical problems Scales in 1s, 10s, 5s, 100s	Recognise, name and properties of 3D shapes Extend to do comparison of 2D and 3D shapes Include position language	¼ to, ¼ past, 5 minutes Word problems for time Time facts Timetables – simple





Term 4	Multiplication and division	Multiplication and division	Fractions	Fractions	Measure – Mass and weight	Review and Assess
Y1	Count in 5s One step problems with 5s Count in 10s One step problems with 10s Tally charts and money	Sharing/grouping in 10s One step problems with 10s	Exploring ¼ in a range of context and equal parts	¼ and ½ of shapes and numbers	Practical problems of mass and weight Reading scales Addition and subtraction problems	Review and assess terms 3 and 4 check against ARE
Y2	Revisit commutativity Including money using 2p, 5p and 10p Word problems Multi step problems Statistics - tally charts, bar charts and pictograms	Multiplication and division Problems with 10s Statistics - tally charts, bar charts and pictograms Extend to outside 12 x 2, 5 and 10	Fractions Counting in 3s Equal parts 1/3 of shapes 1/3 of quantities 1/3 of numbers	Finding 1/3 in context Fractions word problems Linked to ½, 1/3, 1/4, 2 /4, 3/4	Practical problems of mass and weight Reading scales Addition and subtraction problems Multiplication and division problems	Review and assess terms 3 and 4 check against ARE

Term 5	Addition and subtraction Including measures and statistics	Addition and subtraction Including measures and statistics	Multiplication and division 2 weeks Including measures and statistics	Multiplication and division 2 weeks Including measures and statistics	Fractions and time	Review and Assess
	Mental and written	One step problems	One step word	One step word	Revise fractions and	
Y1	addition/subtraction	Empty boxes	problems for 2, 5 and 10 times tables	problems for 2, 5 and 10 times tables	time	





	including problem		Money one step	Money one step		
	solving		problems	problems		
			Measures one step	Measures one step		
			problems	problems		
	Mental and written	One step and two step	One and two step	One and two step	SATS	
	addition/subtraction	problems	problems	problems		
Y2	including problem	Empty boxes	Money, measures one	Money, measures one		
	solving	Comparison problems	and two step	and two step		
			problems	problems		

Term 6	Place Value	Calculation & Measures	Calculation & Measures	Fractions	Geometry	Transition x 3 weeks
Y1	Problem solving with place value and number properties	Problem solving with 4 rules applied to measures and missing boxes, known facts	Problem solving with 4 rules applied to measures and missing boxes, known facts	Problem solving with fractions	Problem solving geometry	Y1 non negotiables for Y2 – skill and application
Y2	Problem solving with place value and number properties	Problem solving with 4 rules applied to measures and missing boxes, known facts	Problem solving with 4 rules applied to measures and missing boxes, known facts	Problem solving with fractions	Problem solving geometry	Y2 non negotiables for Y3 - skill and application





# Year 3 and 4

Term 1	Place Value	Place Value	Place Value	Mental Addition and Subtraction	Addition and subtraction	Addition and subtraction	Mental Multiplication and division	Mental multiplication and division
	revise 2 digit	compare and	find 10 or 100	find 10 or 100	add and	add and	revise counting	count in
	numbers	order numbers	more or less	more or less	subtract	subtract	in 2s, 3s, 5s and	multiples of 4
	through range	up to 1000	than a given	than a given	numbers with	numbers with	10s from any	and 8
	of contexts	compare;	number	number	up to three	up to three	number	count in
	recognise the	lengths	find 10 more /	find multiples of	digits, using	digits, using	forwards and	multiples of
	place value of	(m/cm/mm);	less in money,	10s and 100s	formal written	formal written	backwards	40s, 80s, 400s,
	each digit in a	mass (kg/g);	measures, on	more / less than	methods of	methods of	count forwards	800s
	three-digit	volume/capacit	graphs	a given 2 and 3	columnar	columnar	and backwards	recall and use
	number	y (I/mI) up to	find 100 more /	digit number	addition and	addition and	in 20s, 200s,	multiplication
	(hundreds,	1000	less in money,	add and	subtraction	subtraction	50s, 500s, 100s,	and division
	tens, ones)	compare money	measures and	subtract	estimate the	estimate the	100s	facts for the 4
Y3	identify,	up to 1000	graphs	numbers	answer to a	answer to a	count from 0 in	and 8 , and
	represent and	compare	find 50 more	mentally,	calculation and	calculation and	patterns and	multiplication
	estimate	durations of	and 50 less in	including;	use inverse	use inverse	sequences	use known facts
	numbers using	events [for	contexts	a three-digit	operations to	operations to	recall 2, 3, 5, 10	of 2x
	different	example to	count in	number and	check answers	check answers	x tables and	solve problems
	representations	calculate the	multiples of 10s	ones; a three-		add and	division facts	for 4 and 8
	include money	time taken by	and 100s	digit number		subtract;	use known facts	commutativity
	and measure up	particular	including	and tens; a		lengths	to solve	and tests of
	to 1000	events or	money	three-digit		(m/cm/mm);	problems	divisibility for
	read and write	tasks].	count in 50s	number and		mass (kg/g);	outside of 12 x	use known facts
	numbers up to		and 100s	hundreds		volume/capacit	2, 12 x 5, 12 x	to solve
	1000 in		including			y (I/mI)	10,	problems





	numerals and in		money and			add and	Link ÷ 10 to	outside of 12 x
	words		measure			subtract	10ths, ÷ 2 to	4, 12 x 8
						amounts of	halves and ÷ 5	
						money to give	to 5ths	
						change, using	3 times table	
						both £ and p in	facts	
						practical	Counting in	
						contexts	3,30,300 etc	
	revise 3 digit	order and	find 1000 more	find 1000 more	add and	add and	revise counting	count in
	numbers	compare	or less than a	or less than a	subtract	subtract	in 2s, 3s, 4s, 5s,	multiples of 7,
	through	numbers	given number	given number	numbers with	numbers with	6s, 8s, 9s and	11
	contexts	beyond 1000	find multiples	add and	up to 4 digits	up to 4 digits	10s from any	count in
	recognise the	estimate,	of 100 more or	subtract	using the	using the	number	multiples of
	place value of	compare	less than a	numbers	formal written	formal written	forwards and	70s, 90s, 700s,
	each digit in a	different	given number	mentally,	methods of	methods of	backwards	900s
	four-digit	measures,	find 1000	including:	columnar	columnar	count forwards	Link x 7 to days
	number	including	more/less range	a four-digit	addition and	addition and	and backwards	of week
Y4	(thousands,	money in	of measures	number and	subtraction	subtraction	in multiples of	use place value,
'-	hundreds, tens,	pounds and	find 25 more /	ones ; a four-	where	where	these e.g 30s,	known and
	and ones)	pence	less than any	digit number	appropriate	appropriate	300s etc	derived facts to
	identify,	round any	given number	and tens; a	estimate and	estimate and	patterns and	multiply and
	represent and	number to the	and in contexts	four-digit	use inverse	use inverse	sequences	divide mentally,
	estimate	nearest 10, 100		number and	operations to	operations to	recall 2, 3, 4, 5,	including:
	numbers using	or 1000		hundreds;	check answers	check answers	6, 8, 9, 10x	multiplying by 0
	different	rounding within		a four- digit	to a calculation	to a calculation	tables and	and 1; dividing
	representations	measure as		number and		calculate	division facts	by 1;
		above		thousands		different	use known facts	multiplying
						measures,	to solve	





			including	problems	together three
			money in	outside of 12 x	numbers
			pounds and	4, 12 x 9, 12 x 6	recognise and
			pence		use factor pairs
					and
					commutativity
					in mental
					calculations

Term 2	X and division	Geometry	Fractions	Fractions	Time	4 rules through Statistics	Assess and Review
2 Y3	count forwards and backwards in 3s, 30s and 300s Count in multiples of 6 and 9 Count in multiples of 60s, 90s, 600s, 900s recall and use multiplication and division facts for the 3, 6 and 9 and multiplication tables	recognise angles as a property of shape or a description of a turn identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn;	count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 compare and order unit fractions, and fractions with the same	add and subtract fractions with the same denominator within one whole recognise and use fractions as numbers: unit fractions and nonunit fractions with small denominators Fraction families such as ½ + 2/4 =	estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon	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	Review Gaps analysis for term 2 and review
	use known facts of 3x to solve	identify whether angles are greater	denominators	3/4 SO 3/4- 1/2 = 2/4	and midnight	scaled bar charts	





	problems for 6	than or less than a	introduce simple	Problem solving	know the number	and pictograms	
	and 9	right angle - link	equivalences ½,	around listing all	of seconds in a	and tables.	
	Commutativity	to translation	1/3, 1/4, 1/5	possibilities	minute and the		
	and tests of	identify right			number of days in		
	divisibility for3, 6	angles in triangles			each month, year		
	and 9	and quadrilaterals,			and leap year		
	Use known facts	irregular polygons			compare		
	to solve problems	recognise			durations of		
	outside of 12 x 6,	polygons in			events (for		
	12 x 9	different			example to		
	use known facts of	orientations			calculate the time		
	3 x, 6, 9 times	identify horizontal			taken by particular		
	tables	and vertical lines			events or tasks).		
	Link x 60 to time	and pairs of					
		perpendicular and					
		parallel lines					
	revise multiplying	identify acute and	count up and	add and subtract	read, write and	solve comparison,	Gaps analysis for
	3 single digit	obtuse angles and	down in	fractions with the	convert time	sum and	term 2 and review
	numbers	compare and	hundredths;	same	between analogue	difference	
	multiply 1 digit by	order angles up to	recognise that	denominator	and digital 12- and	problems using	
	2 digit numbers	two right angles	hundredths arise	Add and subtract	24-hour clocks	information	
Y4	(range of methods	by size	when dividing an	equivalent	Solve problems	presented in bar	
'-	moving to formal	identify angles	object by one	fractions e.g. 2/4 +	involving	charts,	
	method)	within triangles	hundred and	1/2 =	converting from	pictograms, tables	
	multiplication of 1	and quadrilaterals	dividing tenths by	Fraction families	hours to minutes;	and other graphs.	
	x 2 digit in context	describe	ten.	such as ¼ + 2/4 =	minutes to		
	of money, other	movements	compare and	$\frac{3}{4}$ so $\frac{3}{4}$ - $\frac{1}{2}$ = 2/4	seconds; years to		
	measures.	between positions	order unit and				





Rules of	as translations of a	fractions within	All possibilities if	months; weeks to	
commutativity of	given unit to the	context and	my answer is 4/5	days.	
1 x 2 digit	left/right and	without	what could my		
numbers	up/down	Revise y3	calculations be		
Estimation and		equivalent			
checking of		fractions see			
answers		above			
Empty box					
problems					
? x 24 = 48					

Term 3	Place Value	Addition and Subtraction through Perimeter and length	Multiplication through area	Division	Division	Fractions
Υ3	introduce negative numbers through context Roman numerals on clock faces rounding numbers to 10	add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction estimate the answer to a calculation and use inverse operations to check answers	use of arrays to make different shapes same area within tables known simple rectangles using tables known and calculate missing sides check by counting squares investigate areas v perimeter link to factors	division facts division of a 2 digit number by 1 digit with a remainder using 2,5 x tables division of a 2 digit number by 1 digit with a remainder using 3,4,6,8 x tables estimation and checkin	estimate and use inverse operations to check answers to a calculation problem solving with mixed measures for division problems	recognise and show, using diagrams, equivalent fractions with small denominators problem solve with equivalent fractions recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions





		measure the				with small
		perimeter of simple 2-				denominators
		D shapes				
		calculate missing				
		sides for perimeter				
		perimeter with mixed				
		measures cm / mm,				
		cm / m				
	count backwards	convert between	find the area of	revise use of known	estimate and use	recognise and show,
	through zero to	different units of	rectilinear shapes by	facts for division	inverse operations to	using diagrams,
	include negative	measure (for	counting squares	revise 2 digit ÷ 1	check answers to a	families of common
	numbers	example, kilometre to	introduce area with	introduce short	calculation	equivalent fractions
	round any number to	metre; hour to	arrays	division 3 digit by 1	problem solving with	recognise and write
	the nearest 10, 100 or	minute)	introduce simple	digit without	mixed measures for	decimal equivalents
	1000	measure and	formula for rectangles	remainder	division problems	of any number of
	round decimals with	calculate the	for area.	use of factor pairs for		tenths or hundredth
	one decimal place to	perimeter of a	investigate area v	checking		recognise and write
Y4	the nearest whole	rectilinear figure	perimeter	estimation		decimal equivalents
'-	number	(including squares) in	link to factor pairs			to ½, 1/4, 3/4
	compare numbers	centimetres and	Scaling up and down			
	with the same	metres	problems			
	number of decimal	add and subtract	2 digit x 1 digit and			
	places up to two	numbers with up to 4	introduce 1 x 3 digit			
	decimal places	digits using the formal	using arrays			
	read Roman numerals	written methods of				
	to 100 (I to C) and	columnar addition				
	know that over time,	and subtraction				
	the numeral system	where appropriate				





chang	ged to include	estimate and use		
the co	concept of zero	inverse operations to		
and p	place value.	check answers to a		
		calculation		

Term	Geometry	Geometry	Fractions and	Fractions and	Multiplication	Assess and Review
4			decimals	Decimals		
	draw 2-D shapes and	recognise 3-D shapes	revise equivalent	find fractions of	times tables facts and	Gaps analysis and
	revise properties of 2-	in different	fractions in context of	money, measures	division facts	review
	D Shapes including	orientations and	measures	compare fractions of	commutativity	
	angles and lines of	describe them	revise adding	measures	word problems using	
	symmetry	make 3-d shapes with	/subtracting through	fraction word	times tables facts and	
		nets	problems such as ½ of	problems for money	division facts	
		problem solving with	50 + ¼ of 60 =	/measures	including money and	
		2-D and 3-D shapes	revise adding	use a mix of unit and	measure	
			equivalent fractions ½	equivalent fractions	empty box problems	
Y3			+ 2/4 =	include fractions of	Scaling up and down	
13			Comparison problems	shapes		
			would you rather	fractions of areas of		
			have ½ of 60 or 3/6 of	shapes		
			50 in and out of	recognise, find and		
			context	write fractions of a		
			recognise, find and	discrete set of		
			write fractions of a	objects: unit fractions		
			discrete set of	and non-unit fractions		
			objects: unit fractions	with small		
			and non-unit fractions	denominators		





			with small			
			denominators			
	compare and classify	describe positions on	revise equivalent	solve problems	introduce 1 x 3 digit	Gaps analysis and
	geometric shapes,	a 2-D grid as	fractions in context of	involving increasingly	multiplication	review
	including	coordinates in the	measures	harder fractions to	problem solving with	
	quadrilaterals and	first quadrant	revise adding and	calculate quantities,	1 x 2 digit and 1 x 3	
	triangles, based on	describe movements	subtracting through	and fractions to divide	digit	
	their properties and	between positions as	problems such as 5/6	quantities, including	checking answers by	
	sizes	translations of a given	of 60 + 2/8 of 56 =	non-unit fractions	division	
	revise angles	unit to the left/right	problem solve	where the answer is a		
Y4	identify lines of	and up/down	comparing problems	whole number		
	symmetry in 2-D	plot specified points	would you rather	include fractions of		
	shapes presented in	and draw sides to	have 3/8 of 80 or 2/5	shapes, fractions		
	different orientations	complete a given	of 50	linked to measures		
	complete a simple	polygon.		solve simple measure		
	symmetric figure with			problems involving		
	respect to a specific			fractions and		
	line of symmetry.			decimals to two		
				decimal places.		

Term 5	Statistics	Time	Addition and Subtraction	Multiplication and Division	Mass/Volume and Capacity
	interpret and present data	estimate and read time	add and subtract numbers	write and calculate	read a range of scales link
	using bar charts,	with increasing accuracy to	with up to three digits,	mathematical statements	to times tables, 100 more /
Y3	pictograms and tables	the nearest minute; record	using formal written	for multiplication and	less, 1000 more / less etc
	solve one-step and two-	and compare time in terms	methods of columnar	division using the	conversion of measures
	step questions (for	of seconds, minutes and	addition and subtraction	multiplication tables that	





	1				
	example, 'How many	hours; use vocabulary such	estimate the answer to a	they know, including for	compare and order mass,
	more?' and 'How many	as o'clock, a.m./p.m.,	calculation and use inverse	two-digit numbers times	volume and capacity
	fewer?') using information	morning, afternoon, noon	operations to check	one-digit numbers, using	problem solve with mass
	presented in scaled bar	and midnight	answers	mental and progressing to	and volume – practical as
	charts and pictograms and	know the number of	solve problems, including	formal written methods	well as written problems
	tables.	seconds in a minute and	missing number problems,	solve problems, including	round to nearest 10
		the number of days in each	using number facts, place	missing number problems,	
		month, year and leap year	value, and more complex	involving multiplication	
		compare durations of	addition and subtraction.	and division, including	
		events [for example to		positive integer scaling	
		calculate the time taken by		problems and	
		particular events or tasks].		correspondence problems	
				in which n objects are	
				connected to m objects	
	interpret and present	read, write and convert	add and subtract numbers	recognise and use factor	convert between different
	discrete and continuous	time between analogue	with up to 4 digits using	pairs and commutativity in	units of measure [for
	data using appropriate	and digital 12- and 24-hour	the formal written	mental calculations	example, kilometre to
	graphical methods,	clocks	methods of columnar	multiply two-digit and	metre; hour to minute]
	including bar charts and	solve problems involving	addition and subtraction	three-digit numbers by a	read scales – link to place
	time graphs.	converting from hours to	where appropriate	one-digit number using	value
	solve comparison, sum and	minutes; minutes to	estimate and use inverse	formal written layout	read decimal scales
Y 4	difference problems using	seconds; years to months;	operations to check	,	estimate, compare and
	information presented in	weeks to days.	answers to a calculation		calculate different
	bar charts, pictograms,	,	solve addition and		measures through
	tables and other graphs.		subtraction two-step		problems
			problems in contexts,		round mass and volume
			deciding which operations		solve simple measure
					problems involving
					problems involving





	and methods to use and	fractions and decimals to
	why	two decimal places

Т6	Place Value	Calculation & Measures	Calculation & Measures	Fractions	Geometry	Transition x 3 weeks
Y3	Problem solving with place value and number properties	Problem solving with 4 rules applied to measures and missing boxes, known facts	Problem solving with 4 rules applied to measures and missing boxes, known facts	Problem solving with fractions	Problem solving geometry	Y3 non negotiables for Y4 – skill and application
Y4	Problem solving with place value and number properties	Problem solving with 4 rules applied to measures and missing boxes, known facts	Problem solving with 4 rules applied to measures and missing boxes, known facts	Problem solving with fractions	Problem solving geometry	Y4 non negotiables for Y5 , skill and application





## Year 5 and 6

	Place Value			Addition and		Mental	
Term	Counting	Place Value	Mental addition	subtraction (	Number	Multiplication and	Multiplication and
1	Read, write and	Decimals	and subtraction	integers/ decimals	properties	division link to	division
	compare			for MA)		volume	
	read, write, order	recognise and use	add and subtract	add and subtract	know and use the	revise multiply 3	multiply numbers
	and compare	thousandths and	numbers mentally	whole numbers	vocabulary of	single digit	up to 4 digits by a
	numbers to at	relate them to	with increasingly	with more than 4	prime numbers,	numbers	one- or two-digit
	least 1,000,000	tenths,	large numbers	digits, including	prime factors and	identify multiples	number using a
	and determine the	hundredths and	use rounding to	using formal	composite (non-	and factors,	formal written
1 Y5	value of each digit	decimal	check answers to	written methods	prime) numbers	including finding	method, including
	count forwards or	equivalents	calculations and	(columnar	establish whether	all factor pairs of a	long multiplication
	backwards in steps	read, write, order	determine, in the	addition and	a number up to	number, and	for two-digit
	of powers of 10	and compare	context of a	subtraction)	100 is prime and	common factors of	numbers
	for any given	numbers with up	problem, levels of	use rounding to	recall prime	two numbers	solve problems
V5	number up to	to three decimal	accuracy	check answers to	numbers up to 19	multiply and	involving
'5	1,000,000	places	solve addition and	calculations and	recognise and use	divide numbers	multiplication
	multiply and	multiply and	subtraction	determine, in the	square numbers	mentally drawing	including using
	divide whole	divide decimals by	problems mentally	context of a	and cube	upon known facts	their knowledge of
	numbers by 10,	10, 100 and 1000		problem, levels of	numbers, and the	solve problems	factors and
	100 and 1000	Link with convert		accuracy	notation for	involving	multiples, squares
	Link with convert	between different		solve addition and	squared (2) and	multiplication and	and cubes
	between different	units of metric		subtraction multi-	cubed (3)	division including	
	units of metric	measure (for		step problems in		using their	
	measure (for	example,		contexts, deciding		knowledge of	
	example,	kilometre and		which operations		factors and	
	kilometre and	metre; centimetre					





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	metre; centimetre	and metre;		and methods to		multiples, squares	
	and metre;	centimetre and		use and why.		and cubes	
	centimetre and	millimetre; gram		Include decimal		Link Cube	
	millimetre; gram	and kilogram; litre		addition and		numbers to	
	and kilogram; litre	and millilitre)		subtraction and		volume	
	and millilitre)			measures			
				problems			
	read, write, order	revise ordering of	perform mental	solve addition and	Revise squares,	Revise Y5	multiply one-digit
	and compare	decimals	calculations,	subtraction multi-	cubes	perform mental	numbers with up
	numbers up to 10	identify the value	including with	step problems in	identify common	calculations,	to two decimal
	000 000 and	of each digit in	mixed operations	contexts, deciding	factors, common	including with	places by whole
	determine the	numbers given to	and large numbers	whichoperations	multiples and	mixed operations	numbers
	value of each digit	three decimal	use their	and methods to	prime numbers	and large numbers	use estimation to
	use, read, write	places and	knowledge of the	use and why	problem solve	calculate, estimate	check answers to
	and convert	multiply and	order of	solve problems	with above	and compare	calculations and
	between standard	divide numbers by	operations to	involving addition,		volume of cubes	determine, in the
	units, converting	10, 100 and 1000	carry out	subtraction,		and cuboids using	context of a
Y6	measurements of	giving answers up	calculations	use estimation to		standard units,	problem, an
	length, mass,	to three decimal	involving the four	check answers to		including cubic	appropriate
	volume and time	places	operations	calculations and		centimetres (cm3)	degree of accuracy
	from a smaller	solve problems		determine, in the		and cubic metres	
	unit of measure to	involving the		context of a		(m3), and	
	a larger unit, and	calculation and		problem, an		extending to other	
	vice versa, using	conversion of		appropriate		units [for example,	
	decimal notation	units of measure,		degree of accuracy		mm3 and km3].	
	to up to three	using decimal		decimal		recognise when it	
	decimal places	notation up to		addition/subtracti		is possible to use	
		three decimal					





solve number and	places where	on 1 and 2 decimal	for	rmulae for
practical problems	appropriate	places	vol	lume of shapes
that involve all of	use, read, write			
the above.	and convert			
	between standard			
	units, converting			
	measurements of			
	length, mass,			
	volume and time			
	from a smaller			
	unit of measure to			
	a larger unit, and			
	vice versa, using			
	decimal notation			
	to up to three			
	decimal places			

Term 2	Multiplication (Area)	Geometry Angles	Geometry Properties of 2-D Shapes Include perimeter	Addition and subtraction through Statistics	Fractions	Fractions	Assess and Review
Y5	calculate and compare the area of rectangles (including squares), and including using	know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles	distinguish between regular and irregular polygons based on reasoning about	solve comparison, sum and difference problems using information	compare and order fractions whose denominators are all multiples of the same number	add and subtract fractions with the same denominator and denominators that	Review and consolidate term 1 and 2 check against ARE





	standard units,	draw given angles,	equal sides and	presented in a line	identify, name and	are multiples of	
	square	and measure them	angles	graph	write equivalent	the same number	
	centimetres (cm2)	in degrees (o)	use the properties		fractions of a		
	and square metres	identify: angles at	of rectangles to		given fraction,		
	(m2)	a point and one	deduce related		represented		
	areas of rectangles	whole turn (total	facts and find		visually, including		
	mixed units	360o) ,⊡angles at a	missing lengths		tenths and		
	cm/mm etc	point on a straight	and angles		hundredths		
	use the properties	line and a turn	measure and		read and write		
	of rectangles to	(total	calculate the		decimal numbers		
	deduce related	180o),@other	perimeter of		as fractions		
	facts and find	multiples of 90o	composite		recognise mixed		
	missing lengths		rectilinear shapes		numbers and		
			in centimetres and		improper fractions		
			metres		and convert from		
					one form to the		
					other and write		
					mathematical		
					statements > 1 as		
					a mixed number		
	recognise that	recognise angles	compare and	interpret pie	compare and	add and subtract	Review and
	shapes with the	where they meet	classify geometric	charts and line	order fractions,	fractions with	consolidate term
	same areas can	at a point, are on a	shapes based on	graphs and use	including fractions	different	1 and 2
Y6	have different	straight line, or	their properties	these to solve	>1	denominators and	Check against ARE
10	perimeters and	are vertically	and sizes and find	problems	use common	mixed numbers,	
	vice versa	opposite, and find	unknown angles in	construct line	factors to simplify	using the concept	
	recognise when it	missing angles.	any triangles,	graphs and use	fractions; use	of equivalent	
	is possible to use				common multiples	fractions	





formulae for area	draw 2-D shapes	quadrilaterals, and	these to solve	to express	multiply proper
of shapes	using given	regular polygons	problems	fractions in the	fractions and
Area of rectangles	dimensions and	recognise that		same	mixed numbers by
with mixed	angles	shapes with the		denomination	whole numbers,
measures		same areas can		associate a	supported by
Area of rectangles		have different		fraction with	materials and
with missing sides		perimeters and		division and	diagrams (Y5
Area of rectangles		vice versa		calculate decimal	revision)
				fraction	
				equivalents	
				recall and use	
				equivalences	
				between simple	
				fractions, decimals	
				and percentages,	
				including in	
				different contexts.	

Term 3	Place Value Negative Numbers Roman Numerals Rounding	Addition and subtraction Decimals and measures	Multiplication and Division	Multiplication and Division Problem Solving and decimals	Geometry 3-D and Coordinates	Fractions, decimals and %
Y5	round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000	use all four operations to solve problems involving measure (for example, length, mass, volume, mone)]	divide numbers up to 4 digits by a one-digit number using the formal written method of short	use all four operations to solve problems involving measure (for example, length, mass, volume,	identify 3-D shapes, including cubes and other cuboids, from 2-D representations identify,	recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per





interpret negative	using decimal	division and interpret	money) using decimal	describe and	hundred', and write
numbers in context,	notation, including	remainders	notation, including	represent the position	percentages as a
count forwards and	scaling.	appropriately for the	scaling.	of a shape following a	fraction with
backwards with	convert between	context	convert between	reflection or	denominator 100, and
positive and negative	different units of		different units of	translation, using the	as a decimal
whole numbers,	metric measure (for		metric measure (for	appropriate language,	solve problems which
including through	example, kilometre		example, kilometre	and know that the	require knowing
zero	and metre;		and metre;	shape has not	percentage and
solve number	centimetre and		centimetre and	changed	decimal equivalents
problems and	metre; centimetre		metre; centimetre		of ½, 1/4, 1/5, 2/5,
practical problems	and millimetre; gram		and millimetre; gram		4/5 and those
that involve all of the	and kilogram; litre		and kilogram; litre		fractions with a
above	and millilitre)		and millilitre)		denominator of a
read and round	use rounding to check				multiple of 10 or 25
decimals with two	answers to				
decimal places to the	calculations and				
nearest whole	determine, in the				
number and to one	context of a problem,				
decimal place	levels of accuracy				
	solve addition and				
	subtraction multi-step				
	problems in contexts,				
	deciding which				
	operations and				
	methods to use and				
	why				





	round any whole	solve addition and	divide numbers up to	multiply one-digit	recognise, describe	revise finding %
	number to a required	subtraction multi-step	4 digits by a two-digit	numbers with up to	and build simple 3-D	solve problems
	degree of accuracy	problems in contexts,	whole number using	two decimal places by	shapes, including	involving the
	use negative numbers	deciding which	the formal written	whole numbers	making nets	calculation of
	in context, and	operations and	method of long	use written division	describe positions on	percentages (for
	calculate intervals	methods to use and	division, and interpret	methods in cases	the full coordinate	example, of
	across zero	why	remainders as whole	where the answer has	grid (all four	measures, and such as
	solve number and	solve problems	number remainders,	up to two decimal	quadrants)	15% of 360) and the
	practical problems	involving the	fractions, or by	places	draw and translate	use of percentages for
	that involve all of the	calculation and	rounding, as	calculate mean as an	simple shapes on the	comparison
	above.	conversion of units of	appropriate for the	average (link to	coordinate plane, and	
		measure, using	context	division)	reflect them in the	
		decimal notation up	divide numbers up to	solve problems	axes	
Y6		to three decimal	4 digits by a two-digit	involving the		
		places where	number using the	calculation and		
		appropriate	formal written	conversion of units of		
		use, read, write and	method of short	measure, using		
		convert between	division where	decimal notation up		
		standard units,	appropriate,	to three decimal		
		converting	interpreting	places where		
		measurements of	remainders according	appropriate		
		length, mass, volume	to the context			
		and time from a				
		smaller unit of				
		measure to a larger				
		unit, and vice versa,				
		using decimal				





ne	otation to up to
th	nree decimal places
us	se estimation to
ch	heck answers to
Ca	alculations and
de	etermine, in the
co	ontext of a problem,
aı	n appropriate degree
of	f accuracy

Term 4	Fractions, decimals, %	Fractions consolidation Y5 Ratio and proportion Y6	Missing information Y5 Algebra Y6 Roman Numerals	Time and Measures – 4 rules	Area and perimeter Revisit Properties	Review and Assess
<b>Y</b> 5	multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	Revisit and consolidate fractions through problem solving	find missing lengths and angles revision problems linked to area and perimeter empty boxes in calculations Roman Numerals	complete, read and interpret information in tables, including timetables. solve problems involving converting between units of time revise 12 hour and 24 hour time revise time conversion and facts	Problem solving with shapes Revisit missing angles and lengths	Review and assess terms 3 and 4 check against ARE





	multiply simple pairs	solve problems	express missing	multi step measures	Area of triangles and	Review and assess
	of proper fractions,	involving the relative	number problems	problems links to 4	Parallelograms	terms 3 and 4 check
	writing the answer in	sizes of two quantities	algebraically	rules , including	Revisit area of	against ARE
	its simplest form	where missing values	find pairs of numbers	conversion of	rectangles	
	revise	can be found by using	that satisfy an	measures	illustrate and name	
	divide proper	integer multiplication	equation with two	time problems	parts of circles,	
	fractions by whole	and division facts	unknowns	revise 12 hour and 24	including radius,	
Y6	numbers	solve problems	missing numbers,	hour time	diameter and	
10		involving unequal	equivalent	revise time	circumference and	
		sharing and grouping	expressions (for	conversion and facts	know that the	
		using knowledge of	example, $a + b = b + a$ )		diameter is twice the	
		fractions and	Roman numerals to		radius	
		multiples.	1000 (M) and			
		include fractions	recognise years			
		linked to pie charts	written in Roman			
			numerals.			

Term 6	Place Value	Calculation & Measures	Calculation & Measures	Fractions, decimals and %	Geometry	Statistics	Transition x 2 weeks
Y5	Problem solving with place value and number properties	Problem solving with 4 rules applied to measures and missing boxes, known facts	Problem solving with 4 rules applied to measures and missing boxes, known facts	Problem solving with fractions, decimals and %	Problem solving geometry	Problem solving statistics	Y5 non negotiables for Y6 – skill and application





Y6	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Y6 non negotiables
	with place value	with 4 rules	with 4 rules	with fractions,	geometry	statistics	for Y7 , skill and
	and number	applied to	applied to	decimals and %			application
	properties	measures and	measures and				
		missing boxes,	missing boxes,				
		known facts	known facts				