

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
YN	Baseline Number – recite number names Measures – big and small Geometry – recognise shapes	Number – recite number names in order, more, a lot Measures – size, time- based events Geometry – size, arrangements, similarities	Number – recognise numerals, compare 2 groups Measures – length, weight, sequence time- based events	Number – recite to 7, Measures – sequence time-based events Geometry – round, tall, simple patterns, positional language	Number - recite in order to 10, recognise numerals within 5, count back from 3, subitise 1/2, count 1:1 to 5, composition of numbers to 5, link numerals and amounts	Number – recite to 10, recognise numerals within 5, counts back from 5, subitises to 3, Geometry – name 2D shapes Measures – language for time
YR	Baseline Number – explore numbers to 5 Measures – order through time of day Geometry – 2D shapes	Number secure numbers to 5, explore numbers to 10 Geometry – 2D shapes, repeating patterns	Number – one more, one less, total, composition of numbers to 10 Addition / subtraction – begin to use the vocabulary involved in adding and subtracting Measures – compare using height, weight, capacity	Number – compare numbers within 10 Geometry – compose and decompose shapes, continue, copy and create repeating patterns	Number – count beyond 20, 1 more or less, subitise to 5, count in 2s, odd and even numbers Measures – compare and order by length, weight and capacity	Number – doubling compare quantities to 10, greater than, less than, equal to, halving, sharing, number bonds, subitise within 10
Y1	Number - Place value (up to 10), forwards, backwards, 1 more, 1 less Addition (10), part-whole model, number bonds, objects, pictorial and missing number Geometry – recognize, name and sort 2D and 3D shapes	Number - Place value (up to 20), forwards, backwards, tens and ones, 1 more, 1 less Subtraction (10), how many left, fact families, counting back, one step problems, missing number problems Measures -Compare length, measure length, compare height Time – before, after, times in the day	Number - Place value (20), compare groups and objects, order groups and numbers, use a number line Addition and subtraction (20) Measures – measure and compare weight and mass, money – recognise and count coins	Number - Place value (50), tens and ones, 1 more, 1 less, count in 2s, 5s Addition (20) – by counting on, number bonds and subtraction – not crossing and crossing 20, related facts, comparing number sentences Measures – measure and compare capacity, Time – hour, half hour,	Number - Place value (100), forwards and backwards, ordering, partitioning, 1 more, 1 less Multiplication and division – 2s,5s,10s, make arrays, make doubles, equal groups, halving Fractions – halves and quarters of shapes Geometry – whole, half, ¾ turns	Number - Place value (100), forwards and backwards, ordering, partitioning, 1 more, 1 less Multiplication and division – problems using concrete and pictorial Measures - Money – recognise and count in £5, £10, £20 Length/Height/ Weight, and Volume Standard measures Recap Time





				comparing and writing		Fractions – recognise,
						find and name half and ¼
				time		imu anu name nan anu %
Y2	Number and place value	Number and place value	Number and place value	Number and place value	Number and place value	Number and place value
	(50), forwards and	– forwards and	 compare and order 	 compare and order 	forwards and	- forwards and backwards
	backwards in 2s and 5s,	backwards in 2s, 5s, 10s,	numbers to 50, read and	numbers to 100, read and	backwards in 2s, 3s, 5s	in 2s, 3s, 5s and 10s,
	compare and order, read	read and write numbers	write numbers to 100,	write numbers to 100,	and 10s, compare and	compare and order
	and write	to 100, place value	recognise place value	use place value and	order numbers to 100,	numbers to 100
	Addition and Subtraction	Addition and subtraction	Addition and subtraction	numbers facts to solve	use place value and	Addition and subtraction
	 facts to 20, numbers to 	- number bonds, add and	 add and subtract 	problems	number facts to solve	– solve problems using
	50, commutative law	subtract up to 2-digit by	numbers to 100, doubles	Addition and subtraction	problems	appropriate strategies
	Multiplication and	2-digit	and halves, column	 add and subtract 	Addition and subtraction	Multiplication and
	division – make equal	Multiplication and	addition and subtraction,	numbers to 100, add 9	 select strategies to add 	division - solve problems
	groups, make arrays,	division - multiples of 2,	check with inverse, add 3	and 11, add and subtract	and subtract numbers,	in contexts
	divide by 2,5,10, odd and	link multiplication and	1-digit numbers	in columns, demonstrate	solve problems	Geometry - identify 2D
	even numbers	division, use arrays,	Multiplication and	commutative law, find	Multiplication and	and 3D shapes using
	Measures – Recognise	multiply numbers to 10 x	division – multiples of	missing numbers, solve	division – multiply	mathematical language,
	and count coins and	10	2,5,10, inverse, multiply	multi-step problems	numbers to 20 by 10,	draw lines and shapes
	notes, compare money,	Geometry – recognise 2D	numbers to 10 x 10	Multiplication and	solve problems in	using a ruler
	find totals, differences,	and 3D shapes, count	Geometry – compare and	division – calculate	contexts	Measures – solve
	and change	faces and vertices, make	sort 2D and 3D, describe	mathematical statements	Geometry – identify and	problems involving time,
		patterns	position, direction and	for 2-, 5- and 10-times	describe properties of 2D	money - give change
		Fractions – recognise and	movement	tables, use the inverse	and 3D shapes	Measures - compare,
		find ½, ¼, 1/3, count in	Fractions – recognise and	Measures – compare,	Fractions – find fractions	order and measure
		fractions	find ½, ¼, 1/3, count in	order and measure	of amounts, recognise	length, height, mass
		Statistics- construct tally	fractions	length, height, mass and	equivalences, write	capacity and temperature
		charts, interpret and	Statistics - construct and	capacity	fractions with numbers	
		construct pictograms	interpret tally charts and		up to 100	
			pictograms		Statistics – interpret tally	
					charts and pictograms to	
					find differences	
Y3	Number- Place Value up	Addition and Subtraction	Multiplication and	Multiplication and	Addition, Subtraction	Fractions – reasoning and
	to 1000, find 1,10,100	 add and subtract 	Division – comparing	Division – divide 2-digit	Multiplication and	problem solving for
	more or less, compare	numbers up to 3-digit by	statements, related	by 1-digit moving to	Division – solve problems	equivalent fractions, add
	objects and numbers,	3-digit, spot patterns,	calculations, multiply 2-	exchanging and	Measures – statistics –	and subtract fractions
				remainders, scaling	reading tables	





	order numbers, count in	estimate answers, check	digit by 1-digit with	Geometry – properties of	Fractions – add and	Geometry – properties of
	50s	calculations	exchange	shape – horizontal and	subtract fractions	shape – recognise and
	Addition and Subtraction	Multiplication and	Measures – length and	vertical, parallel and	Measures – time – use	describe 3D shapes, make
	 add and subtract up to 	Division – multiply and	perimeter – measure,	perpendicular, recognise	am, pm, 24-hour clock,	3D shapes, reasoning and
	3-digit and 2-digit	divide by 3, 4, 8	compare, add and	and describe 2D and 3D	find and compare	problem solving for
	numbers, crossing the 10	Geometry – properties of	subtract lengths,	shapes	durations, start and end	properties of shape
	boundary	shape – turns and angles,	measure and calculate	Fractions – equivalent	times, measure time in	Measures – mass and
	Statistics – Interpret	right angles in shapes,	perimeter	fractions in pairs, using	seconds	capacity – reasoning and
	pictograms and bar	compare angles, draw	Measures – mass-	number lines, missing	Measures – capacity –	problem solving
	charts	accurately	measure and compare	numerators and	measure and compare	Statistics – reasoning and
	Measures – money –	Fractions – unit and non-	mass reading scales in kg	denominators, compare	capacity in ml, I and	problem solving
	convert pounds and	unit fractions, count in	or g then mixed, add and	and order	mixed, add and subtract	
	pence, add and subtract	tenths, tenths as	subtract mass	Measures – time –	capacity	
	money, give change	decimals, fractions on a	Fractions – fractions of a	months and years, hours		
		number line	set of objects, dividing	in a day, telling the time		
			into groups, using	to 5 minutes and 1		
			numerator and	minute		
			denominator			
			Measures - solve			
			problems involving			
			different measures			
Y4	Number - Round to the	Number - Roman	Multiplication and	Multiplication and	Decimals - make a whole,	Geometry- position and
	nearest 10, 100, count in	numerals to 100, 1000	Division - 11 and 12	Division - multiply and	write, compare, order,	direction - describe
	1000s,100s, 10s, 1s,	more or less, compare	times-table, multiply 3	divide 3-digits by 1-digit,	and round decimals,	position, draw on a grid,
	partitioning, number line	and order numbers,	numbers, factor pairs,	correspondence	halves, and quarters	move and describe a
	to 10,000	round to nearest 1000,	written methods,	problems	Geometry - properties of	movement on a grid
	Addition and Subtraction	count in 25s, negative	multiply 2-digits by 1-	Fractions - add and	shape - lines of	Money - revision and
	- Add and subtract 1s,	numbers	digit, divide 2-digit by 1-	subtract 2 or more	symmetry, complete a	application through
	10s, 100s, 1000s, add and	Addition and Subtraction	digit without and with	fractions, subtract from	symmetric figure,	reasoning and problem
	subtract 2 4-digit	- efficient subtraction,	remainders	whole amounts, calculate	triangles, quadrilaterals	solving
	numbers including	estimate answers,	Fractions - equivalent	fractions of a quantity,	Statistics - interpret	Measures – length,
	exchange	checking strategy	fractions through	problem solving –	charts, comparison, sum,	perimeter, area Revision
	Multiplication and	Multiplication and	diagrams and	calculate quantities	and difference,	and application through
	Division - Multiply and	Division - multiply and	proportional reasoning,	Money - pounds and	introducing line graphs	reasoning and problem
	divide by 10 and 100,	divide by 7 and 9-, 7- and	fractions greater than 1,	pence, ordering money,	Money - estimating	solving
	multiply by 1 and 0,		count in fractions	recognise tenths and	money, four operations	Measures – conversions





	divide by 1 and itself, multiply and divide by 6, 6 times table and division facts Measures – length and perimeter - kilometres, perimeter on a grid, perimeter of a rectangle, perimeter of rectilinear shapes	9-times table and division facts Measures - area What is area? Counting squares, making shapes, comparing area Geometry - properties of shapes, identify, compare, and order angles Time – time - hours, minutes, seconds, years, months, weeks, and days	Decimals - tenths on a place value grid and number line, divide 1- or 2-digits by 10 hundredths, hundredths as decimals, hundredths on a place value grid, divide 1 or 2-digits by 100	hundredths, tenths as decimals Time - analogue to digital 12- and 24-hour, conversion between units of time	Measures - money - estimating money, four operations	Revision and application through reasoning and problem-solving Geometry – properties of shape - revision and application through reasoning and problem solving Decimals and fractions - revision and application through reasoning and problem solving
Y5	Number- Roman	Fractions, Decimals &	Number - numbers to	Fractions, Decimals &	Fractions, Decimals &	Consolidation and
	numerals to 1,000,	Percentages- find	1,000,000, read and write	Percentages - multiply a	Percentages - • Use	revision.
	Numbers to 10,000,	fractions equivalent to a	numbers to 1,000,000,	unit fraction by an	known facts to add and	
	Numbers to 100,000,	unit and non-unit	0/100/1,000/10,000/100,	integer, multiply a non-	subtract decimals within	
	Powers of 10, Compare	fraction, recognise	000 more or less,	unit fraction by an	1, complements to 1, add	
	and order numbers to	equivalent fractions,	partition numbers to	integer, multiply a mixed	and subtract decimals	
	100,000, Round to the	convert improper	1,000,000, number line to	number by an integer,	across 1, with the same	
	nearest 10, 100 or 1,000,	fractions to mixed	1,000,000, compare and	calculate a fraction of a	number of decimal	
	Round within 100,000	numbers, convert mixed	order numbers to	quantity, fraction of an	places, subtract decimals	
	Four Operations - Mental	numbers to improper	1,000,000, round within	amount, find the whole,	with the same number of	
	strategies, add whole	fractions, compare and	1,000,000	use fractions as	decimal places, add and	
	numbers with more than	order fractions less than	Four Operations -	operators,	subtract decimals with	
	four digits, subtract	and greater than 1, add	compare calculations,	thousandths as fractions,	different numbers of	
	whole numbers with	and subtract fractions	find missing numbers,	decimals and on a place	decimal places, efficient	
	more than four digits,	with the same	understand negative	value chart, order and	strategies for adding and	
	round to check answers,	denominator, within 1	numbers, count through	compare decimals with	subtracting decimals,	
	inverse operations	and greater than 1, to	zero in 1s, count through	up to 3 decimal places,	decimal sequences,	
	(addition and	one or two mixed	zero in multiples,	understand percentages	multiply and divide by 10,	
	subtraction), multi-step	numbers	compare and order	as fractions and decimals,	100 and 1,000, multiply	
	addition and subtraction	Geometry -understand	negative numbers, find	equivalent fractions,	and divide decimals -	
	problems, multiples,	and use degrees, classify	the difference, multiply	decimals and percentages	missing values	
	common multiples,	angles, estimate angles,	up to 4-digit number by a	Measures - kilograms	Geometry - read and	
	factors, common factors,	measure angles up to	2-digit number, efficient	and kilometres,	plot coordinates,	



	prime numbers, square numbers, cube numbers, multiply by 10, 100 and 1,000, divide by 10, 100 and 1,000, multiples of 10, 100 and 1,000, multiply up to a 4-digit number by a 1-digit number, short division, divide a 4-digit number by a 1-digit number, divide with remainders Measures - Perimeter of rectangles, perimeter of rectilinear shapes, perimeter of polygons, area of rectangles, area of compound shapes, estimate area	angles accurately, calculate angles around a point, calculate angles on a straight line, lengths and angles in shapes Statistics - draw line graphs, read and interpret line graphs, read and interpret tables, two-way tables, read and interpret timetables	division, solve problems with multiplication and division Geometry - regular and irregular polygons, 3-D shapes	millimetres and millilitres, convert units of length, convert between metric and imperial units, convert units of time, calculate with timetables	problem solving with coordinates, translation, translation with coordinates, lines of symmetry, reflection in horizontal and vertical lines Measures - cubic centimetres, compare volume, estimate volume, estimate capacity	
Y6	Number – compare and order any number to 10 million, round any number, negative numbers Four operations - Order of operations, multiply by 10, 100, 1000, add and subtract integers, multiply up to 4-digit number by 2-digit number, short division, division using factors, long division up to 4-digit by 2-digit including with remainders and rounding, common factors and	Algebra- find a rule – one and two steps, forming expressions, substitution, formulae, forming equations, find enumerate possibilities Fractions - multiply fractions by integers and fractions, divide fractions by integers, four rules with fractions, fraction of an amount– find the whole Ratio - using ratio language, ratio and fractions, introducing the	Number – Solving problems using rounding, comparing, negative numbers Four operations- Solve multistep problems Fractions, decimals, percentages -develop and practise Autumn's concepts Algebra - Solve simple one-step and two-step equations, find pairs of values, enumerate possibilities Ratio - Using scale factors, calculating scale	FDP- Solve problems involving fractions, decimals and percentages Geometry - Draw shapes accurately, draw nets of 3-D shapes Statistics -Solve problems involving mean, pie charts and line graphs	Revision, application and problem solving SATS Practise	Mathematical Investigations



multiples, primes to 100, squares and cubes, order of operations, mental calculations and estimations, reason from known facts **Fractions** -Simplify fractions, fractions on a number line, compare and order with denominator and numerator, add and subtract fractions with denominators that are and are not the same multiple, add and subtract mixed numbers **Decimals & Percentages -**Three decimal places, multiply and divide by 10, 100 and 1,000, multiply and divide decimals by integers, division to solve problems, decimals as fractions, fractions to decimals, fractions to percentages, equivalent FDP, order FDP, percentage of an amount, percentages – missing values

ratio symbol, calculating ratio Measures - converting **units** - Metric measures Convert metric measures Calculate with metric measures Miles and kilometers Imperial measures Geometry – position and direction - the first quadrant, four quadrants, translations, reflections **Geometry – Properties of** shape Measure with a protractor, introduce angles, calculate angles, vertically opposite angles, angles in a triangle special cases and missing angles, angles in special quadrilaterals, angles in regular polygons, measure-protractor, shapes - same area and perimeter, area of

triangles and

of cuboid, circles

Statistics - Read and interpret line graphs and dual bar charts, draw line graphs, use line graphs to solve problems, circles,

parallelograms, volume - counting cubes, volume

factors, ratio and proportion problems

Measures - Shapes — same area, area and perimeter, area of a triangles, area of parallelogram, volume — counting cubes, volume of a cuboid

THINK DIG - AIM HIGH
Mount Pleasant Primary

read and interpret pie charts, pie charts with		
percentages, draw pie		
charts, mean		