



	At the Beginning of KS 2	By the end of Year 3	By the end of Year 4	By the end of Year 5	By the end of Year 6
Number and Place Value plus Reasoning and Problem Solving	<ul style="list-style-type: none"> Number Zero, one, two, three to twenty, and beyond None Count (on/up/to/from/down) Before, after More, less, many, few, fewer, least, fewest, smallest, greater, lesser Equal to, the same as Odd, even Pair Units, ones, tens Ten more/less Digit Numeral Figure(s) Compare (In) order/a different order Size Value Between, halfway between Above, below Numbers to one hundred Hundreds Partition, recombine Hundred more/less 	<ul style="list-style-type: none"> Numbers to one thousand 	<ul style="list-style-type: none"> Tenths, hundredths Decimal (places) Round (to nearest) Thousand more/less than Negative integers Count through zero Roman Numerals (I to C) 	<ul style="list-style-type: none"> Powers of 10 	<ul style="list-style-type: none"> Numbers to ten million
Addition and Subtraction plus Reasoning and Problem Solving	<ul style="list-style-type: none"> Number bonds, number line Add, more, plus, make, sum, total, altogether Inverse Double, near double Half, halve Equals, is the same as (including equals sign) Difference between How many more to make..?, how many more is...than..?, how much more is..? Subtract, take away, minus How many fewer is...than..?, how much less is..? 	<ul style="list-style-type: none"> Column addition and subtraction 		<ul style="list-style-type: none"> Efficient written method 	<ul style="list-style-type: none"> Order of operations
Multiplication and Division plus Reasoning and Problem Solving	<ul style="list-style-type: none"> Odd, even Count in twos, threes, fives Count in tens (forwards from/backwards from) How many times? Lots of, groups of Once, twice, three times, five times Multiple of, times, multiply, multiply by Repeated addition Array, row, column Double, halve Share, share equally Group in pairs, threes, etc. Equal groups of Divide, divided by, left, left over 	<ul style="list-style-type: none"> Product Multiples of four, eight, fifty and one hundred Scale up 	<ul style="list-style-type: none"> Multiplication facts (up to 12x12) Division facts Inverse Derive 	<ul style="list-style-type: none"> Factor pairs Composite numbers, prime number, prime factors, square number, cubed number Formal written method 	<ul style="list-style-type: none"> Order of operations Common factors, common multiples



	At the Beginning of KS 2	By the end of Year 3	By the end of Year 4	By the end of Year 5	By the end of Year 6
Fractions (inc decimals and percentages) plus Reasoning and Problem Solving	<ul style="list-style-type: none"> Whole Equal parts, four equal parts One half, two halves A quarter, two quarters Three quarters, one third, a third Equivalence, equivalent 	<ul style="list-style-type: none"> Numerator, denominator Unit fraction, non- unit fraction Compare and order Tenths 	<ul style="list-style-type: none"> Equivalent decimals and fractions 	<ul style="list-style-type: none"> Proper fractions, improper fractions, mixed numbers Percentage Half, quarter, fifth, two fifths, four fifths Ratio, proportion 	<ul style="list-style-type: none"> Degree of accuracy Simplify
Ratio and proportion (Y6 only) plus Reasoning and Problem Solving					
Algebra (Y6 only)					<ul style="list-style-type: none"> Linear number sequence Substitute Variables Symbol Known values
Measurement plus Reasoning and Problem Solving	<ul style="list-style-type: none"> Full, half full, empty Holds Container Weigh, weighs, balances Heavy, heavier, heaviest, light, lighter, lightest Scales Time Days of the week: Monday, Tuesday, etc. Seasons: spring, summer, autumn, winter Day, week, month, year, weekend Birthday, holiday Morning, afternoon, evening, night, midnight Bedtime, dinnertime, playtime Today, yesterday, tomorrow Before, after Next, last Now, soon, early, late Quick, quicker, quickest, quickly , fast, faster, fastest, slow, slower, slowest, slowly Old, older, oldest, new, newer, newest Takes longer, takes less time Hour, o'clock, half past Clock, watch, hands How long ago?, how long will it be to...?, how long will it take to...?, how often? Always, never, often, sometimes, usually Once, twice 	<ul style="list-style-type: none"> Leap year Twelve- hour/twenty-four- hour clock Roman numerals I to XIII 	<ul style="list-style-type: none"> Convert 	<ul style="list-style-type: none"> Volume Imperial units, metric units 	<ul style="list-style-type: none">



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	<ul style="list-style-type: none"> • First, second, third, etc. Estimate, close to, about the same as, just over, just under • Too many, too few, not enough, enough • Length, width, height, depth • Long, longer, longest, short, shorter, shortest, tall, taller, tallest, high, higher, highest • Low, wide, narrow, deep, shallow, thick, thin • Far, near, close • Metre, ruler, metre stick • Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, dear(er), costs more, costs less, cheaper, costs the same as • How much?, how many? Total • Quarter past/to • m/km, g/kg, ml/l • Temperature (degrees) 				
Geometry - Properties of Shapes	<ul style="list-style-type: none"> • Group, sort • Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square • Shape • Flat, curved, straight, round • Hollow, solid • Corner (point, pointed) • Face, side, edge • Make, build, draw • Size • Bigger, larger, smaller • Symmetrical, line of symmetry • Fold Match • Mirror line, reflection • Pattern, repeating pattern 	<ul style="list-style-type: none"> • Horizontal, vertical, perpendicular and parallel lines 	<ul style="list-style-type: none"> • Quadrilaterals • Triangles • Right angle, acute and obtuse angles 	<ul style="list-style-type: none"> • Regular and irregular Polygons 	<ul style="list-style-type: none"> • Vertically opposite • (angles) • Circumference, • radius, diameter
Geometry - Position and Direction	<ul style="list-style-type: none"> • Direction Journey • Left, right, up, down, forwards, backwards, sideways • Across • Close, far, near • Along, through • To, from, towards, away from • Movement Slide, roll, turn, • whole turn, half turn Stretch, bend • Position • Over, under, underneath, above, below, top, bottom, side • on, in, outside, inside • around, in front, behind • Front, back • Before, after • Beside, next to, Opposite • Apart 	<ul style="list-style-type: none"> • Greater/less than ninety degrees • Orientation (same orientation, different orientation) 	<ul style="list-style-type: none"> • Coordinates • Translation • Quadrant • x-axis, y-axis • Perimeter and area 	<ul style="list-style-type: none"> • Reflex angle • Dimensions 	<ul style="list-style-type: none"> • Four quadrants (for coordinates)



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	<ul style="list-style-type: none"> • Between, middle, edge, centre • Corner • Rotation • Clockwise, anticlockwise • Straight line • Ninety degree turn, right angle 				
Statistics		<ul style="list-style-type: none"> • Chart, bar chart, frequency table, Carroll diagram, Venn diagram • Axis, axes Diagram 	<ul style="list-style-type: none"> • Continuous data • Line graph 		<ul style="list-style-type: none"> • Mean • Pie chart • Construct
General Problem Solving	<ul style="list-style-type: none"> • Listen, join in • Say, think, imagine, remember • Start from, start with, start at • Look at, point to Put, place, fit Arrange, rearrange • Change, change over • Split, separate • Carry on, continue, repeat, what comes next? • Find, choose, collect, use, make, build • Tell me, describe, pick out, talk about, explain, show me • Read, write, record, trace, copy, complete, finish, end • Fill in, shade, colour, tick, cross, draw, draw a line between, join (up), ring, arrow • Cost • Count, work out, answer, check same number(s)/different number(s)/missing number(s) • Number facts, number line, number track, number square, number cards • Abacus, counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg board Same way, different • way, best way, another way • In order, in a different order • Not all, every, each 				

Based on the progression within the Abacus Maths Scheme