Domain/ Strand	Sub strand	Arithmetic target	Learning Objectives (new curriculum)	What will children find hard	Big Maths
Number	Number problems 1.1.d.1 Solve number problems with number and place value from the Year 1 curriculum 1.2.c.1 Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = □ – 9	I can recall doubles to 10. 1.2.b.2 Mentally double numbers up to 10	I can solve number problems involving adding I can solve number problems involving subtraction I can solve number problems (+ & -) I can solve number problems (+ & -)	Reading word problems Recognising if the problem is to add or subtract Choosing an appropriate way to solve the problem	Variety of word problems with a mix of addition and subtraction I am thinking of a number problems. Missing number problems
		I can count in multiples of 5s 1.1.a.3 Count in multiples of twos, fives and tens	I can use counters to solve missing number addition problems. (+) I can use counters to solve missing number subtraction problems. (-) I can solve missing number problems. (mixture with variety of methods e.g. counting on, 100 sq, objects)	Recognising if it is + or – Choosing method to solve problem Understanding how to approach problem	Chn to write numbers on an empty number line. 1.1.b.3 Identify and represent numbers LSA activity Recalling doubles to 10 Mystery Maths Colour half a shape Colour quarter of a shape
Geometry	3D shapes and fractions 1.2.3 Recognise and name common 3-D shapes in different orientations and sizes 1.3.a.1 Recognise, find and name a half as one of two equal parts of an object, shape or quantity 1.3.a.2 Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity	LO: I can find 2 numbers with the sum of… 1.2.b.1 Mentally add and subtract one- and two-digit numbers to 20, including zero	I can recognise 2D shapes I can names shapes using mathematical language I can recognise 3D shapes in different orientations I can recognise 3D shapes in different orientations	Remembering 3D shape names Recognising them in different contexts Understanding the vocab half and quarter	Sorting and labelling 3D shapes 2D shapes hunt in the class- and labelling their properties Identifying half of a shape Identifying quarter of a shape
		LO: I can add 9 to a single digit number. 1.2.b.1 Mentally add and subtract one- and two-digit numbers to 20, including zero	I can recognise and name half as one of 2 equal parts of an object or shape. I can recognise and name half as one of 2 equal parts of an object or shape. I can recognise, find and name a quarter as one of four equal parts of		LSA activity Comparing 2 shapes. Mystery Maths Half of ___ is? Quarter of ___ is?

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			an object, shape.		
Number	Fractions of a number and problem (Pattern) 1.3.a.1 Recognise, find and name a half as one of two equal parts of an object, shape or quantity 1.3.a.2 Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity	LO: I can recall number bonds 1.2.d.1 Begin to memorise number bonds to 10 and 20, including noticing the effect of adding or subtracting zero	LO: I can find half of a quantity (practical). LO: I can find half of a quantity. LO: I can find a quarter of a quantity (practical). LO: I can find a quarter of a quantity	Being able to use skill of halving shape with a quantity Recognising difference between half and quarter **Reasoning** At the end of each Layer chn need to reason with an answer. How do you know…? Dylan thinks half of 10 is 6 and… who is right? CT to model in intro how to reason.	LO: I can find half of a quantity. LO: I can find a quarter of a quantity. LO: I can add and subtract / solve number problems. <u>Mystery Maths</u> A time problem solving question.
Revision- Patterns and addition/subtraction problems		LO: I can reason with number bonds 1.2.a.1 Represent and use number bonds and related subtraction facts within 20	LO: I can continue a pattern. LO: I can create a repeated pattern with shapes. LO: I can write a number sentence to show additions and subtraction. LO: I can tell the difference between adding and subtracting.	Recognise between + or -. Remembering which way to jump on the 100 sq.	