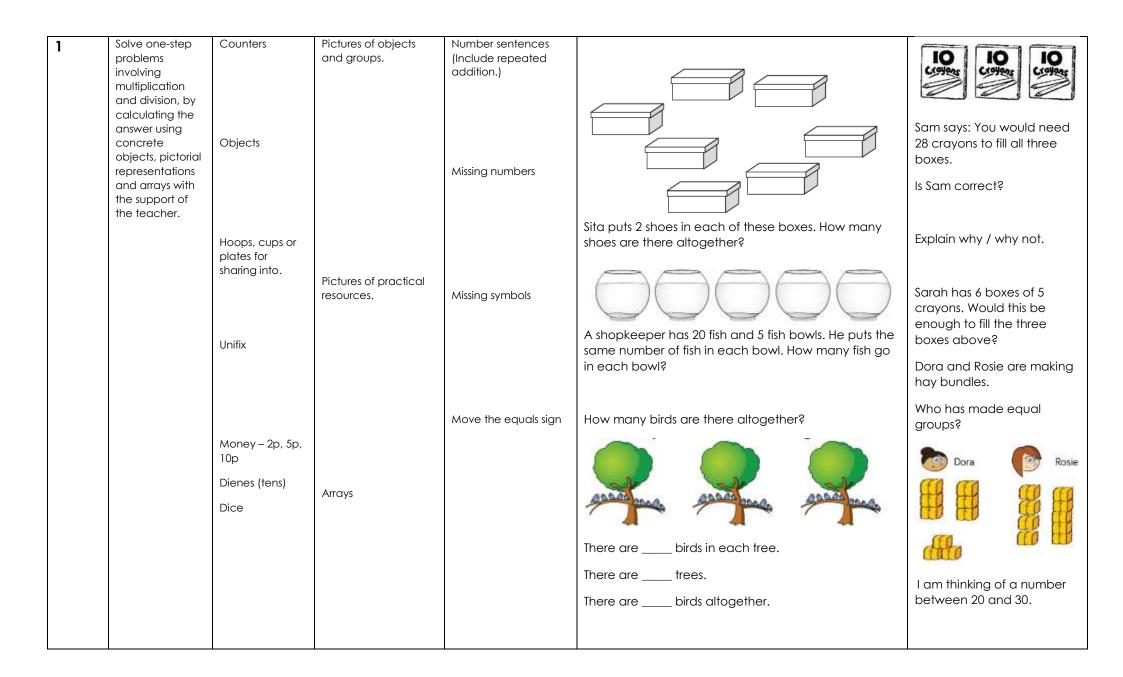
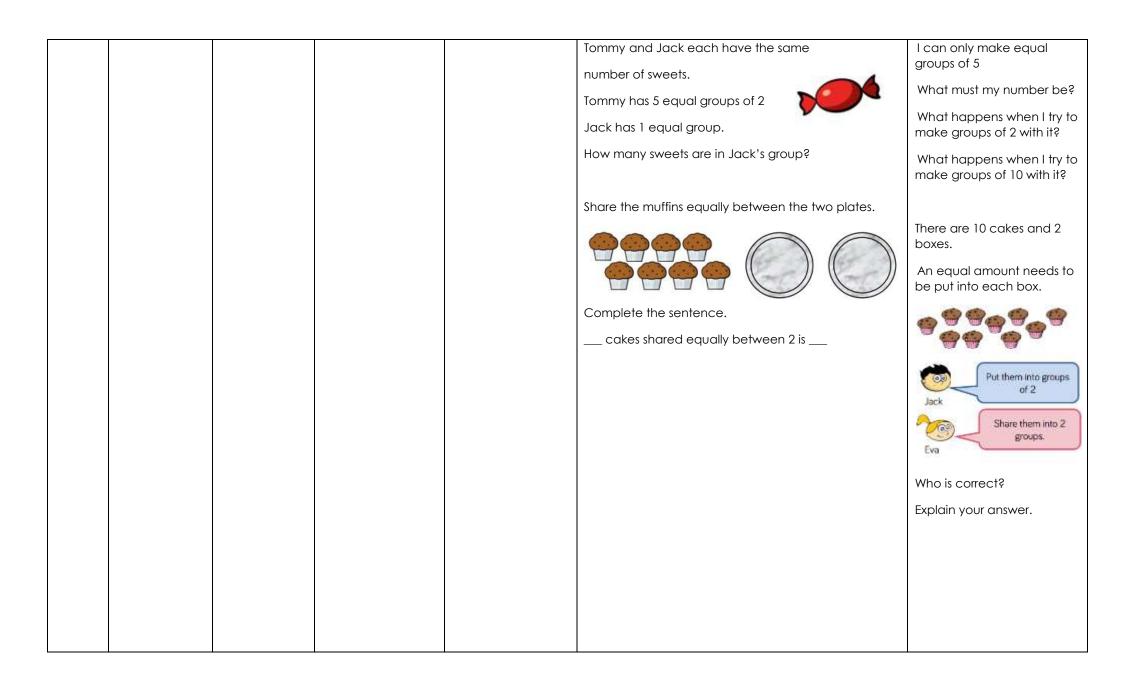
			Are	ea of	Maths = Mult	iplica	tion + Division	
Multiplication		Definition:Multiplication is theprocess of repeatedlyadding a number toitself.An array is a set ofobjects in rows andcolumns.		Vocabulary: Multiplication, times, lots of, multiples, multiply, groups of, factors, product, repeated addition, array.		s, ctors,	Structure: Whole numbers: factor x factor = product Decimals / fractions: multiplicand x multiplier = product	
Division		Definition: Division is sharing an amount of things or a number into equal parts / groups.		Vocabulary: Division, share, put into (equal) groups, divide, dividend, divisor, quotient, array.		DS,	Structure: KS1: Number / amount being sha = number in each group KS2: Dividend ÷ Divisor = Quotient	
Year	1							
Year group:	NC L.O.	Practical	Pictorial		Abstract	Proble	m Solving	Reasoning
		Make it! SAY IT	Show it/Dra SAY IT	w it!	Read/Write it! SAY IT			





Year 2								
Year group:	NC L.O.	Practical	Pictorial	Abstract	Problem Solving	Reasoning		
	On Ave. 6 lessons per objective	Make it! SAY IT	Show it/Draw it! SAY IT	Read/Write it! SAY IT				
2	Recognise the relationships between addition and subtraction and rewrite addition statements as simplified multiplication statements e.g. 10 + 10 + 10 + 5 + $5 = 3 \times 10 + 2 \times 5$ $= 4 \times 10$ Understanding of the equals sign being a balance is key.	Counters Objects Hoops, cups or plates for showing 'groups' or 'lots of'. Numicon Unifix Money – 2p, 5p, 10p Dienes (tens) Dice Hands / fingers	Tens frames with different alternating coloured counters to define each number. Pictures of objects and groups. Pictures of practical resources. Arrays Images linked to repeated addition, such as socks, fingers, money	Complete these equations: 10 + 10 + 10 = 10 x ? 2 x ? = 2 + 2 + 2 + 2 5 + 5 + 5 + 5 = 10 x ?				
2	2020 Guidance	2MD-1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product, within the 2, 5 and 10 multiplication tables.						
2	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd	Counters Objects Hoops, cups or plates for sharing into.	Pictures of objects and groups. Pictures of practical resources. Arrays	Number sentences (Include repeated addition.) Missing numbers Missing symbols	Can you draw 14 sweets shared equally into 2 groups? What 2 number sentences can you write for your drawing?	Spot the mistake:		

	and even numbers. White Rose have some really good resource examples for 2's, 5's and 10's https://whiterose maths.com/wp- content/uploads /2019/SoLs/Prima ry/Autumn2019- 20/Year-2- Autumn-Block-4- Number- Multiplication- and-Division.pdf	Numicon Unifix Money – 2p, 5p, 10p Dienes (tens) Dice Hands / fingers	Images linked to 2, 5, 10 such as socks, fingers, money	Move the equals sign Start with the repeated addition of the same number, showing pupils that this can be inefficient as we add more addends and maybe there's an easier way to represent the calculation. 2 + 0 = 2 2 + 2 = 4 2 + 2 + 2 = 6 2 + 2 + 2 = 8	Insert a symbol: <=> 9 x 5 1 x 10 6 x 2 Ben has five marbles. Kemi has seven times that number. How many marbles does Kemi have?	Alex says: "There are 10 equal groups with two in each group. There are ten 2's" Mr Moore says "Every number in the 5 times table is even" Mrs Welch says " Every number in the 2 times table is even" Who is correct? Give some examples to show your answer.
	Year 1: Recognis		value of different deno		notes (Multiples of 2p, 5p, 10p, £5 and £10 notes)	
2	Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.	Counters Objects Hoops, cups or plates for sharing into. Numicon Unifix	Pictures of objects and groups. Pictures of practical resources. Arrays	Number sentences (Include repeated addition.) Missing numbers Missing symbols Move the equals sign	Tick or Cross these number sentences if they represent this picture: $12 \div 3 = 4$ $12 \div 4 = 3$ $3 \div 12 = 4$ $4 \div 12 = 3$ $3 \div 12 = 4$ $4 \div 12 = 3$	$0 \times 2 = 0$ $2 \times 0 = 0$ $1 \times 2 = 2$ $2 \times 1 = 2$ $2 \times 2 = 4$ $2 \times 2 = 4$ $3 \times 2 = 6$ $2 \times 3 = 6$ Can you spot any patterns? I think the next number sentences are $5 \times 2 = 10$

	(Try this on its own as well as drip feed)	Money – 2p, 5p, 10p Dienes (tens) Dice			Write 4 number sentences for this array:	and 2 x 5 = 10. Am I right? Why? Mr Moore thinks: 12 ÷ 4 would give you the same answer as 4 ÷ 12. True or False? Prove it!
2	Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs. (Remember to include halves and quarters)	Counters Objects Hoops, cups or plates for sharing into. Numicon Unifix Money – 2p, 5p, 10p Dienes (tens) Dice	Pictures of objects and groups. Pictures of practical resources. Arrays	Number sentences (Include repeated addition.) Missing numbers Missing symbols Move the equals sign	Can you write 4 different ways of sharing these cupcakes? 12 ÷ = 12 ÷ = 12 ÷ = 12 ÷ = Mince pies are sold in baxes of 6. How many baxes can be filled using these mince pies? Solution Solution Solu	Mrs Wheeldon thinks this image shows: 12 ÷ 2 = 6

2	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. (Run alongside the previous two objectives)	Counters Objects Hoops, cups or plates for sharing into. Numicon Unifix Money – 2p, 5p, 10p Dienes (tens) Dice	Pictures of objects and groups. Pictures of practical resources. Arrays	Number sentences (Include repeated addition.) Missing numbers Missing symbols Move the equals sign	Apples are sold in packs of 4 How many packs of apples can be filled using the apples from the tree? Tulips are sold in bunches of 5. Randle buys 30 tulips. How many bunches does he buy? David is hosting a birthday party. He has invited nine children. He will give each child a goody-bag containing ten marbles. How many marbles will he give away in total?	True or False? 6 x 2 2+2+2+2+2+2 These all show the same representation. Part of this array is hidden: Part of this array is hidden: The total is less than 16. What could the array be?
2	2020 Guidance		rouping problems when itive division). Year 2 de		os is unknown to multiplication equations with a missing f 4	actor, and to division