

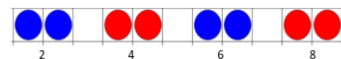







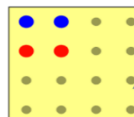





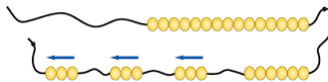

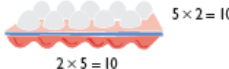
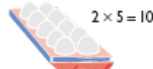









Multiplication KS1

EYFS	Reception: ELG 2021 <ul style="list-style-type: none">Have an understanding of number to 10, linking names of numbers, numerals, their value, and their position in the counting order.Subitise (recognise quantities without counting) up to 5.Automatically recall number bonds for numbers 0-5 and <i>for 10</i>, including corresponding partitioning facts.Automatically recall double facts up to 5+5Compare sets of objects up to 10 in different contexts, considering size and differenceExplore patterns of numbers within numbers up to 10, including evens and odds.			
Year	1	2		
Layers of vocabulary  Appendix 1a Beck's Tiers of Vocabulary Appendix 1b: Vocabulary book	Basic to subject specific (Beck's Tiers): count in ones, twos... tens... array, groups of, equal groups odd, even Instructional vocabulary: 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	Basic to subject specific (Beck's Tiers): lots of, groups of ×, times, multiply, multiplied by multiple of once, twice, three times... ten times... times as (big, long, wide... and so on) repeated addition array row, column double, halve share, share equally Instructional vocabulary: carry on, continue, repeat, what comes next? predict describe the pattern describe the rule find, find all, find different, investigate		
NC 2014	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.		Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs.	
	Concrete, pictorial, abstract		Concrete, pictorial, abstract	
Developing Conceptual/ Procedural Understanding	Grouping  2 frogs on each lily pad 	Arrays (rectangular arrangements to show equal groups) 	Repeated addition  Introduce the x symbol once repeated addition is understood.	Commutativity 

Multiplication KS1

	<div><p>There are 5 hedgehogs in each group. How many hedgehogs are there altogether?</p></div> <div><p>Doubles</p></div> <div><p>Use your peg board to show 4 groups of 2 3 groups of 10 5 groups of 5</p><p>Is it true that all groups of 2 are even? Do all groups of 10 end in 0?</p></div>		<div></div> <div><p>6 can be put into groups of 2. $2 + 2 + 2 = 6$</p><p>10 can be put into groups of 2 and 5. $2 + 2 + 2 + 2 + 2 = 10$ $5 + 5 = 10$</p></div>	<div><p>Complete</p><p>6, 8, 10,20 15, 20, 25.....50 60, 70, 80.....100</p></div> <div><p>Grouping</p><p>5 frogs on each lily pad $5 \times 3 = 15$</p></div> <div><p>Building tables</p><p>Build tables using counting stick- forwards and backwards and with missing jumps</p></div>	<div><p>$5 \times 2 = 10$ $2 \times 5 = 10$</p><p>$2 \times 5 = 10$ $5 \times 2 = 10$</p></div> <div><p>$5 \times 2 = 2 \times 5$</p><p>$4 \times 2 = 8$ $2 \times 4 = 8$</p><p>$2 \times 4 = 8$ $4 \times 2 = 8$</p><p>$5 \times 2 = 10$ $2 \times 5 = 10$</p><p>$5 + 5 + 5 + 5 + 5 = 30$ $5 \times 6 = 30$ 5 multiplied by 6 6 groups of 5 6 hops of 5</p></div> <div><p>Decision making</p><p>How many number sentences can you write to describe this array? Can you use addition, multiplication and division?</p><p>Explain your answers.</p><p>6. Write a story to go with this equation. $6 \times 10 = 60$</p><p>7. Complete the calculations. $7 \times 5 = \square$ $10 \times 4 = \square$ $9 \times 2 = \square$</p></div>
Known facts	Count in multiples of twos, fives and tens.		Recall and use \times and \div facts for the 2, 5 and 10 \times tables, including recognising odd and even numbers.		
Essential Knowledge	Count in 2s	Doubles up to 10	2 \times table	Doubles up to 20	
	Count in 10s	Double multiples of 10	10 \times table	Doubles of multiples of 5	
	Count in 5s	Count in 2s, 5s and 10s	5 \times table	Count in 3s	

Multiplication KS1