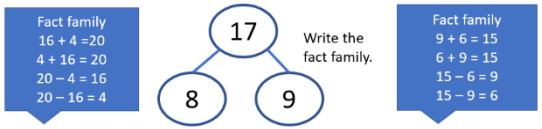
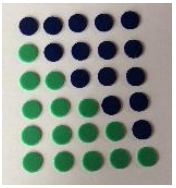
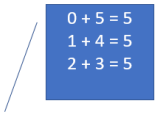
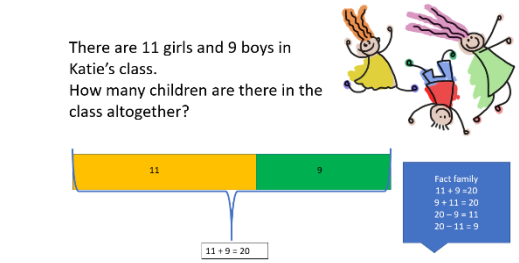
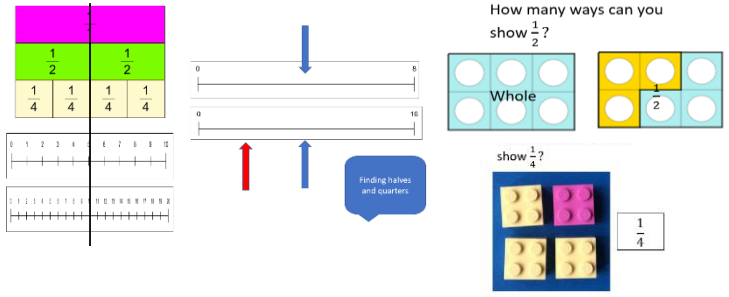
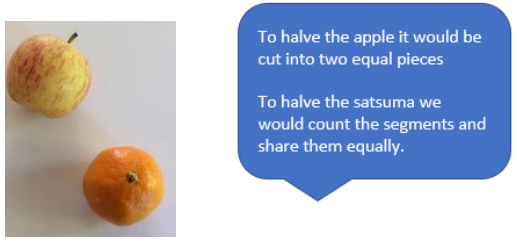
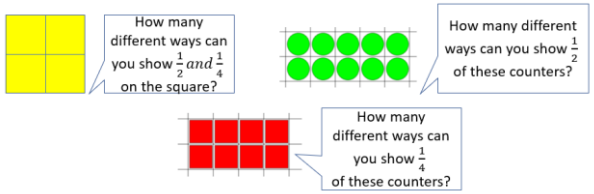
Mathematics Medium Term Planning: Summer R/Y1

WK	Mathematical aspect	Non-negotiable end points	EYFS Curriculum	Y1 Curriculum
1	Addition and subtraction to 20	Know number bonds to 10 and 20. Understand the effect of zero. Find missing values using the inverse.	Knows that addition increases the quantity and subtraction reduces it. Knows and recalls number bonds for numbers 0-5 and *for 10.*	Knows how to represent and use number bonds and related subtraction facts within 20. Knows how to solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ☐ - 9
			 	
2	Fractions: discrete and continuous wholes	Know how to find half/quarter of counted objects and whole objects or shapes.	Knows that objects can be halved into two equal parts.	Knows how to recognise, find and name a half as one of two equal parts of an object, shape or quantity Knows how to recognise, find and name a quarter as one of four equal parts of an object, shape or quantity
				

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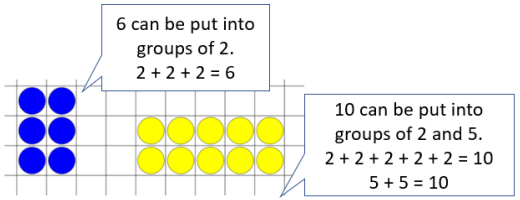
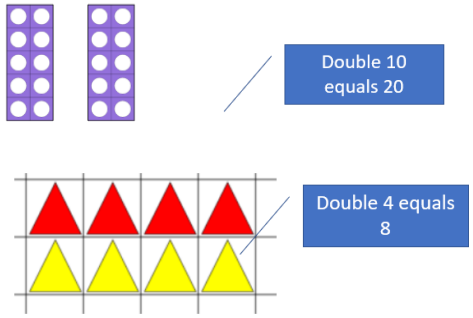
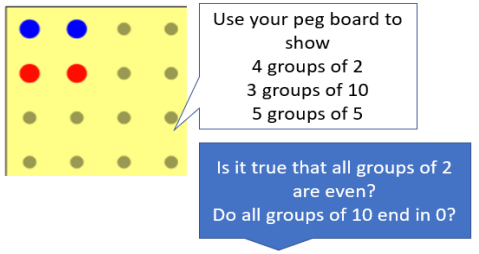
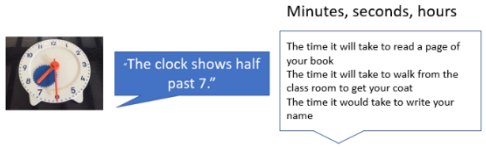
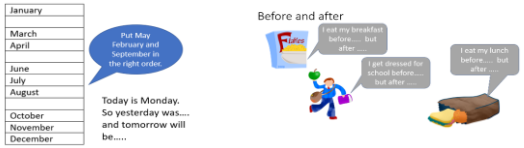
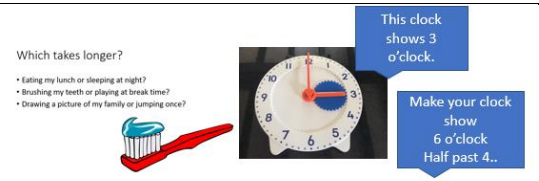
Mathematics Medium Term Planning: Summer R/Y1

	Mathematical aspect	Non-negotiable end points	EYFS Curriculum	Y1 Curriculum
3	Multiplication & Division Arrays	Know that an array represents equal groups of. Know groups of 2 are even, groups of 5 end in 5 or 0, groups of 10 end in 0.	Knows that doubles are two groups of the same number. Knows that equal groups can be represented as an array.	Knows how to solve one-step problems involving multiplication and division, calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.
				
4	Measurement: time	Know that time passes in cycles. Know the features of the clock face: hands, 1 to 12 positions, half past and o'clock.	Knows that days of the week and the months of the year. Knows how to compare, describe time (quicker, slower, earlier, later).	Knows how to sequence events in chronological order. Knows how to tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. Knows time as (hours, minutes, seconds).
				

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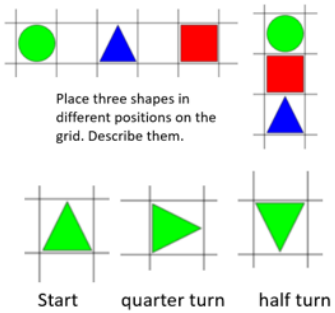
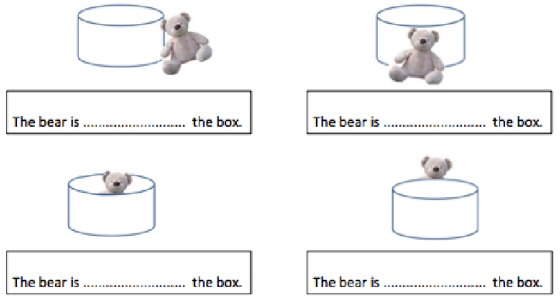
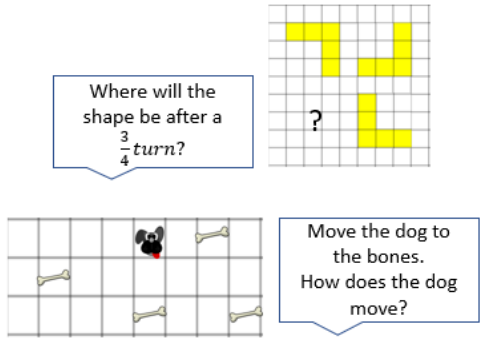
Mathematics Medium Term Planning: Summer R/Y1

	Mathematical aspect	Non-negotiable end points	EYFS Curriculum	Y1 Curriculum
5	Geometry: position and direction	Know how to describe the position of an object and move it to a new position on a grid.	Knows that objects can be placed in different locations.	Knows how to describe position, directions and movements, including half, quarter and three- quarter turns.
				
6	Counting, ordering and comparison, visualising quantities	Count to 100 in 1s, 2s, 10s and 5s. Know the patterns of counting in 2s, 5s, and 10s	Knows how to compare sets of objects up to 10 in different contexts, considering size and difference. Can explore patterns of numbers within numbers up to 10, including evens and odds.	To count, read and write numbers to 100 in numerals, count in different multiples including ones, twos, fives and tens.

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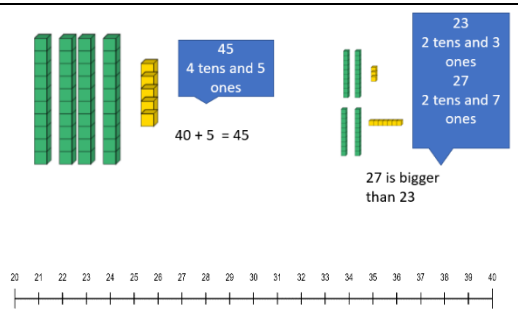
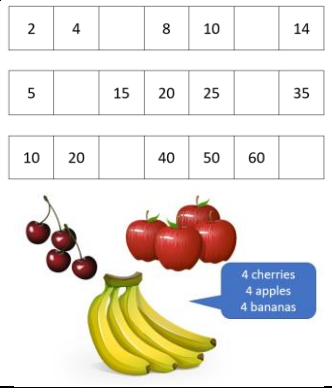
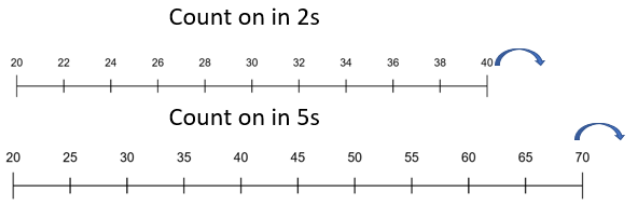
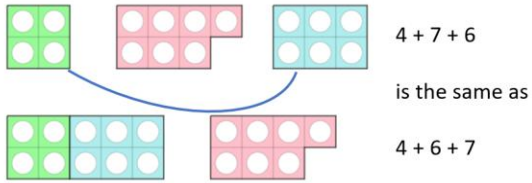
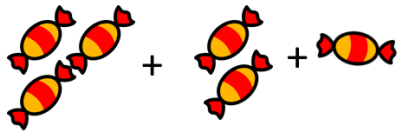
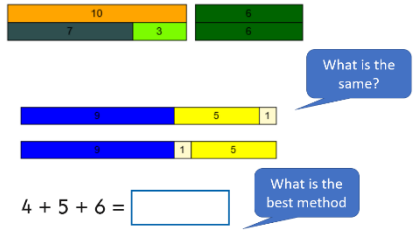
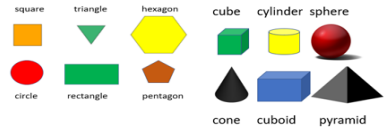
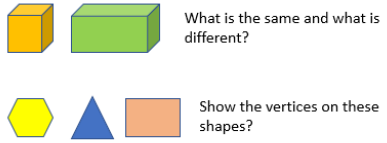
	 Count in 1s, 2s, 5s, 10s			
7	Addition and subtraction: trios and equality	Knows that more than two numbers can be added.	Knows the operation required and calculates using counting and known facts. Automatically recall number bonds for numbers 0-5 and *for 10*, including corresponding partitioning facts.	Knows how to add and subtract one-digit and two-digit numbers to 20, including zero. Knows how to solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems.
				
8	Geometry: properties of shapes	Know the properties of 2d and 3d shapes.	Knows the names of common 2d and 3d shapes.	Knows how to recognise and name common 2D and 3D shapes, including their properties of faces, edges and vertices.
				

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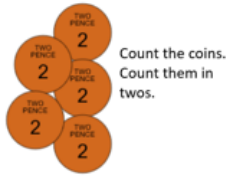
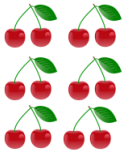
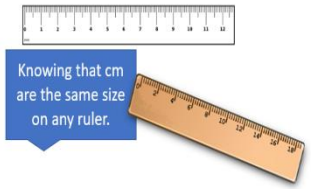
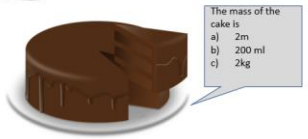
Mathematics Medium Term Planning: Summer R/Y1

	Mathematical aspect	Non-negotiable end points	EYFS Curriculum	Y1 Curriculum
9	Calculation: all four operations	Knows the operation required and calculates efficiently using known facts and efficient strategies.	Knows the operation required and calculates using counting and known facts including doubles. Understands number to 10, linking names of numbers, numerals, their value, and their position in the counting order	Knows how to solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems. Also, those involving multiplication and division with arrays with the support of the teacher.
	Calculate 12 + 6 = 20 – 8 = 27 – 23 = 8 + 9 = Find 2 groups of 7 16 shared equally between 2 15 9 | ?		 Count the coins. Count them in twos. Double the coins.	 Share the cherries equally between *6 people* *2 people* *4 people* ? 14 | 5 Joe had 17 marbles. He lost 9. How many does he have left?
10	Measurement: using standard units	Knows standardised units of measure and equipment for length, mass and capacity.	Knows how to compare a length, a mass, and a capacity in nonstandard units. Knows some measuring equipment.	Knows how to compare, describe and solve practical problems for length, mass and capacity.
	 Which equipment for The mass of a bag of flour? The length of the wall? The liquid in the bucket?  Knowing that cm are the same size on any ruler.		Joy says: ***Bigger things are heavier*** Do you agree or disagree with Joy? Why? You can use these balls to help you investigate. 	 The packet of seeds says that the sunflowers may grow to 2m high. How will you measure the sunflower? How can you find out how many cups of tea can be poured from the teapot?  The mass of the cake is a) 2m b) 200 ml c) 2kg

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