EYFS Calculation Policy

Addition

Objectives	Concrete	Pictorial	Abstract	Vocabulary
Knows that a group of things change in quantity when something is added. Find the total number of items in two groups by counting all of them. Says the number that is one more than a given number. Finds one more from a group of up to five objects, then ten objects. In practical activities and discussion, beginning to use the vocabulary involved in adding. Using quantities and objects, they add two single digit numbers and count on to find the answer. Solve problems including doubling.	Use toys and general classroom resources for children to physically manipulate, group/regroup. Use specific maths resources such as counters, snap cubes, Numicon etc. Use visual supports such as ten frames, part part whole and addition mats, with the physical objects and resources that can be manipulated.	Two groups of pictures so children are able to count the total. Bar model using visuals, pictures/icons or colours. Use visual supports such as ten frames, part part whole and addition mats with pictures/icons.	A focus on symbols and numbers to form a calculation. No expectation for children to be able to record a number sentence/addition calculation.	• add • plus • and • altogether • more • make • total • how many more to make? numbers (zero – twenty and beyond) • greater • subitise • part-whole • five/ten frame • group

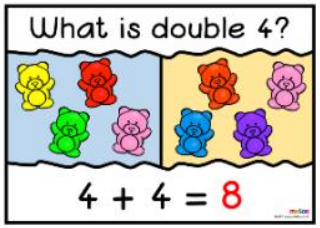
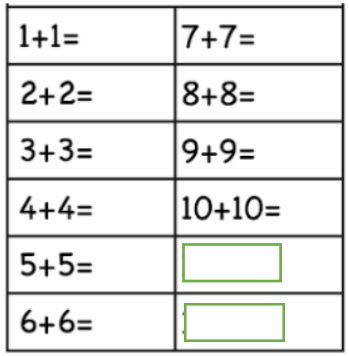
EYFS Calculation Policy

Subtraction

Objectives	Concrete	Pictorial	Abstract	Vocabulary
Knows that a group of things change in quantity when something is taken away. Find one less from a group of five objects, then ten objects. In practical activities and discussion, beginning to use the vocabulary involved in subtracting. Using quantities and objects, they subtract two single digit numbers and count back.	Use toys and general classroom resources for children to physically manipulate, group/regroup. Use specific maths resources such as snap cubes, Numicon etc. Use visual supports such as ten frames, part part whole and subtraction mats, with the physical objects and resources that can be manipulated.	A group of pictures for the children to cross out or cover up. Use visual supports such as ten frames, part part whole and addition mats with pictures/icons.	A focus on symbols and numbers to form a calculation. No expectation for children to be able to record a number sentence/addition calculation.	• Subtract • take away • and • less than • make • total • how many less? • numbers (zero – twenty and beyond) • fewer • subitise • part-whole • five/ten frame • group

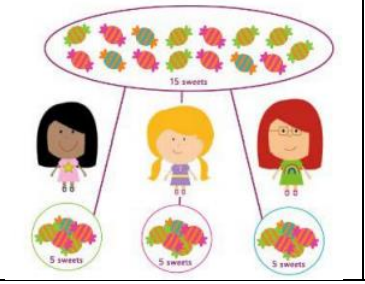
EYFS Calculation Policy

Multiplication

Objectives	Concrete	Pictorial	Abstract	Vocabulary
Solve problems including doubling	Counting and other maths resources for children to make 2 equal groups. Physical and real-life examples that encourage children to see concept of doubling as adding two equal groups.	Pictures and icons that encourage children to see concept of doubling as adding two equal groups. 	 Addition calculations to model adding two equal groups.. No expectation for children to be able to record a number sentence/addition calculation.	groups of lots of altogether double

EYFS Calculation Policy

Division

Objectives	Concrete	Pictorial	Abstract	Vocabulary
Solve problems including halving and sharing. Halving a whole, halving a quantity of objects. Sharing a quantity of objects.	Children have the opportunity to physically cut objects, food or shapes in half.  Use visual supports such as halving mats and part whole, with the physical objects and resources that can be manipulated. Counting and other maths resources for children to explore sharing between 3 or more.	Pictures and icons that encourage children to see concept of halving in relation to subitising, addition and subtraction knowledge. i.e. Knowing 4 is made of 2 groups of 2, so half of 4 is 2. Pictures for children to create and visualise 3 or more equal groups. 		equal share groups half whole lots