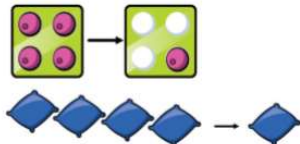
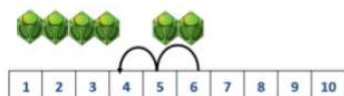
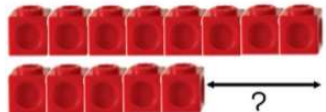
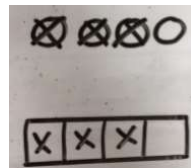
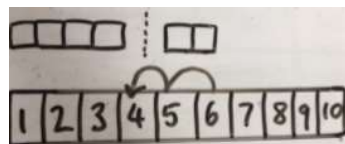
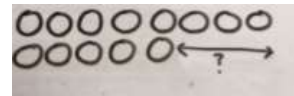
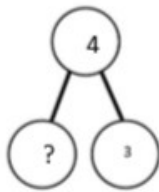
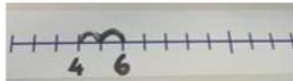
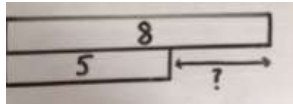


Primary Calculation Policy

EYFS Subtraction

	Mental Strategies	Concrete	Pictorial	Abstract	Vocabulary	Models, Images and resources
EYFS	Numicon shapes are introduced straight away and can be used to :  Concrete apparatus is used to relate subtraction to taking away and counting how many objects are left. $5 - 1 = 4$ Concrete apparatus models the subtraction of 2 objects from a set of 5. Construct number sentences verbally or using cards to go with practical activities. Children are encouraged to read number sentences aloud in different ways "five subtract one leaves four" "four is equal to five subtract one" Children make a record in pictures, words or symbols of subtraction activities carried out. Solve simple problems using fingers 	Physically taking away and removing objects from a whole $4 - 3 = 1$  Counting back (using number lines or number tracks) children start with 6 and count back 2. $6 - 2 = 4$  Finding the difference (using cubes, Numicon or Cuisenaire rods, other objects can also be used). Calculate the difference between 8 and 5. 	Children to draw the concrete resources they are using and cross out the correct amount. The bar model can also be used.  Children to represent what they see pictorially e.g.  Children to draw the cubes/other concrete objects which they have used or use the bar model to illustrate what they need to calculate. 	  Children to represent the calculation on a number line or number track and show their jumps. Encourage children to use an empty number line   Can represent difference in a bar model 	Take (away) Leave How many are left/left over? How many have gone? One less, two less ... ten less... How many fewer is ... than Difference between Is the same as	100 square Number lines Number tracks Bead strings (for children) Bead bar Tens Frame Numicon Place Value Disks Cuisenaire Base tens and ones

	Useful IWB links for manipulatives	https://www.coolmath4kids.com/manipulatives/base-ten-blocks https://mathsbot.com/manipulatives/placeValueCounters https://mathsbot.com/manipulatives/bar https://classroomsecrets.co.uk/free-year-1-part-whole-model-iwb-addition-and-subtraction-activity/ https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Ten-Frame/ http://www.ictgames.com/mobilePage/tenFrame/index.html		