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Objective	Concrete	Pictorial	Abstract
Combining two parts to make a whole	Use cubes to add two numbers together as a group or in a bar.	Image: system of the system of th	4 + 3 = 7 Four is a part, three is a part and the whole is seven. Addend + addend = sum 7 = 4 + 3
Counting or from the biggest number		12 + 5 = 17 10 11 12 13 14 15 16 17 18 19 20 4 ? 6	12 + 5 = 17 17 = 12 + 5 4 + 2 = 6 6 = 4 + 2

Regroupin g to make 10	6+5 6+5 6+5 = 11	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	<pre>9 + 5 = 14 9 + 1 + 4 = 14 7 + 4 = 11 7 + 3 + 1 = 11 If I am 7, how many more do I need to make 10? How many more do I need to add on now? Can I use my number bonds? Can I regroup?</pre>
Adding three single digits	4 + 7 + 6= 17 Put 4 and 6 together to make 10. Add on 7.	Add together three groups of objects. Draw a picture to recombine the groups to make 10.	4 + 7 + 6 = 10 + 7 = 17





Subtraction

Objective	Concrete	Pictorial	Abstract
Taking	Use physical objects, counters, cubes etc to show how objects can be taken away.	Cross out drawn objects to show what has been taken away.	4-3=
away ones	6-2=4	$ \begin{array}{c} $	= 4 - 3
		Children to draw the concrete resources they are using and cross out.	
		Use of the bar model:	
		$\mathbf{X} \mathbf{X} \mathbf{X}$	
		4	







Multiplication







Newburgh Primary School

<u>Division</u>









