

Subject Maths- addition and subtraction				
R	1	2	Area of study	Notes
explore the composition of numbers to 10.	represent and use number bonds and related subtraction facts within 20	recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100	<b>Addition and subtraction number bonds</b>	
Automatically recall number bonds for numbers 0–10	add and subtract one-digit and two-digit numbers to 20, including zero	add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> <li>* a two-digit number and ones</li> <li>* a two-digit number and tens</li> <li>* two two-digit numbers adding three one-digit numbers</li> </ul>	<b>Mental calculation</b>	Column addition is used with the use of a place value chart
	read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs  (appears also in Written Methods)	show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot	<b>Written methods</b>	
	read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs  (appears also in Mental Calculation)	add and subtract numbers with up to two digits, using formal written methods of columnar addition and subtraction		
		recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	<b>Inverse operations</b>	The use of the bar model and fact families
	solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as  $7 = \square - 9$	solve problems with addition and subtraction: <ul style="list-style-type: none"> <li>* using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> </ul> applying their increasing knowledge of mental and written methods.	<b>Problem solving</b>	