

Addition and subtraction

Rec/ELG	Y1	Y2	Y3	Y4	Y5	Y6
	Read, write & interpret mathematical statements involving + = signs.					
	Represent and use number bonds & related subtraction facts within 20.	Recall & use addition & subtraction facts to 20 fluently, & derive & use related facts up to 100.				
	Solve one-step problems that involve addition & subtraction, using concrete objects & pictorial representations, & missing number problems,	Solve problems with addition & subtraction: <ul style="list-style-type: none"> - Using concrete objects & pictorial representations, incl those involving numbers, quantities & measures - Applying their increasing knowledge of mental & written methods 		Solve addition & subtraction two-step problems in contexts, deciding which operations & methods to use & why.	Solve addition & subtraction multi-step problems in contexts, deciding which operations & methods to use & why.	Solve addition & subtraction multi-step problems in contexts, deciding which operations & methods to use & why.
Add & subtract two single digit numbers. ELG Count on or back to find the answer. ELG	Add & subtract 1-digit & 2-digit numbers to 20, including zero.	Add & subtract numbers using concrete objects, pictorial representations, & mentally, including: <ul style="list-style-type: none"> - 2-digit no & ones - 2-digit no & tens - Two 2-digit numbers - Adding three 1-digit numbers 	Add & subtract numbers mentally, including: <ul style="list-style-type: none"> - 3-digit no & ones - 3-digit no & tens - 3-digit no & hundreds 		Add & subtract numbers mentally with increasingly large numbers.	Perform mental calculations, incl with mixed operations & large numbers.
			Add & subtract numbers with up to 3 digits , using formal written methods of columnar addition & subtraction.	Add & subtract numbers with up to 4 digits using the formal written methods of columnar addition & subtraction where appropriate.	Add & subtract whole numbers with more than 4 digits including using formal written methods (columnar addition & subtraction).	Use knowledge of the order of operations to carry out calculations involving four operations .
		Show that addition of two numbers can be done in any order (commutative) & subtraction of one number from another cannot.				
		Recognise & use the inverse relationship between addition & subtraction & use this to check calculations & missing number problems.	Estimate the answer to a calculation & use the inverse operations to check answers.	Estimate & use inverse operations to check answers to a calculation.	Use rounding to check answers to calculations & determine, in the context of a problem, levels of accuracy.	Use estimation to check answers to calculations & determine, in the context of a problem, levels of accuracy.
			Solve problems , incl missing number problems, number facts, place value, & more complex addition & subtraction.			Solve problems involving addition, subtraction, multiplication & division.