Year 3 Addition and Subtraction Learning Journey

Ready to Progress
Non-statutory guidance for key skills and knowledge needed
Resources, ideas and assessment questions available in the Maths Guidance NCETM

Year 2 Prior Learning	Year 3	NCETM
Add and subtract across 10	Calculate complements to 100	
Add and subtract numbers using concrete objects, pictorial representations, and mentally.	Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three-digit number and hundreds	
✓ Add a two-digit number and ones or tens	✓ Add three-digit numbers and ones or tens mentally	
✓ Add two two-digit numbers	✓ Add three-digit numbers and hundreds mentally	
✓ Add three one-digit numbers	✓ Subtract three-digit numbers and one or tens mentally	
✓ Subtract a two-digit number and ones or tens	✓ Subtract three-digit numbers and hundreds mentally	
✓ Subtract two two-digit numbers		
Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot	Manipulate the additive relationship: understand the inverse relationship between addition and subtraction, and how both relate to the part-part-whole structure. Understand and use the commutative property of addition and understand the related property for subtraction.	
Recognise the subtraction structure of 'difference' and answer questions of the form, 'How many more…?' Recognise and use the relationship between addition and subtraction and use this to check calculations	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction Estimate the answer to a calculation and use inverse operations to check answers	
	✓ Use column addition for numbers with up to three digits when carrying is not required	
	✓ Use column addition for three-digit and two-digit numbers when carrying is required	
	✓ Use column addition for numbers with three-digits when carrying is required	
	✓ Use column subtraction for numbers with up to three digits when exchanging is not required	
	✓ Use column subtraction for three-digit and two-digit numbers when exchanging is required	
	✓ Use column subtraction for numbers with up to three-digits when exchanging is required	

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Solve problems with addition and subtraction	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	
✓ Use concrete objects and pictorial representations ✓ Apply their increasing knowledge of mental and written methods to solve ✓ Solving missing number problems using the inverse relationship	✓ Estimate the answer to a calculation	
	Identify when addition or subtraction is needed as part of solving a problem	

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