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<p>Aim: Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers.</p> <p>DfE Ready-to-Progress Criteria: Add and subtract within 100 by applying related one digit addition and subtraction facts: add and subtract any 2 two digit numbers (2AS-4).</p> <p>To subtract two 2-digit numbers, not crossing ten.</p>	<p>Success Criteria: I can use number facts to subtract two 2-digit numbers, not crossing ten.</p> <p>I can use a number line to subtract two 2-digit numbers, not crossing ten.</p>	<p>Resources: Lesson Pack</p> <p>Representation of tens and ones as required</p>
	<p>Key/New Words: Number facts, calculation, subtract, subtraction, minus, take away, count back, number line, tens, ones, 2-digit, 1-digit, steps, multiples of ten, keep track, explain, prove, reason, represent, patterns, continue a pattern.</p>	<p>Preparation: Differentiated How Many Left? Activity Sheets – one per child</p> <p>Diving into Mastery Activity Cards – as required</p>

Prior Learning:	It would be helpful if children have experience of subtracting one-digit numbers from two-digit numbers. The lesson supports this learning.
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Learning Sequence

	<p>Remember It: The Lesson Presentation introduces a fundraising theme. Children revisit subtracting ones from a two-digit number, then subtracting tens as they help Flynn and Max sell cakes and raffle tickets. Children are reminded how to use number facts and empty number lines to find solutions. They are then invited to use their preferred strategy to solve calculations, subtracting ones then tens without needing to bridge ten.</p>	
	<p>Buying Seeds: The Lesson Presentation introduces us to Aima and Samir who decide to buy some seeds with their savings. They plan to grow flowers and carrots to sell. Children use known facts and number lines to calculate how much money they will have left. <i>Can the children use number facts to subtract two 2-digit numbers? Can the children use number lines to subtract two 2-digit numbers?</i></p>	
	<p>How Many Left? Children investigate the differentiated How Many Left? Activity Sheets using number facts and number lines to subtract two 2-digit numbers. <i>Can the children use number facts to subtract two 2-digit numbers? Can the children use number lines to subtract two 2-digit numbers?</i></p> <div style="display: flex; justify-content: space-around;"> <div> <p> Children subtract two 2-digit numbers using number facts and partially-completed number lines. Children may wish to use representations of tens and ones to support their learning. They could also cross out the pictorial representations on the activity sheet.</p> </div> <div> <p> Children subtract two 2-digit numbers using number facts and partially-completed number lines. Children work towards using a blank number line as the activity sheets progress. Children may wish to cross out the pictorial representations on the activity sheet .</p> </div> <div> <p> Children subtract two 2-digit numbers using number facts and blank number lines.</p> </div> </div>	

	<p>Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative. These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.</p> <p> Children build fluency subtracting two 2-digit numbers, not crossing ten.</p> <p> Children reason about which child has completed calculations correctly. They prove their answers.</p> <p> Children apply their problem-solving skills to explore missing number challenges and a 'find all possibilities' investigation.</p>	
	<p>Fundraising: The Lesson Presentation shows our fundraising friends selling cakes, raffle tickets, carrots and flowers. Invite the children to find out how many items they have left to sell.</p>	

Exploreit

Spendit: Children take turns with a partner. One friend puts some 10p and 1p coins in a bag and records the total at the beginning of a subtraction calculation. The partner takes some coins out of the bag and notes how much they have removed, recording the next part of the calculation. Who will be the first to calculate how much is left in the bag? The children tip out the remaining contents from the bag to check who was correct.

Learnit: Children will find this superb a useful tool to support addition and subtraction skills.