

# Let's Add and Subtract: Maths : Year 3 : Summer Term

	Learning Objective	Overview	Assessment Questions	Resources
<b>Lesson 1</b>	To be able to use a variety of appropriate methods to solve addition and subtraction problems.	Children start by answering questions about what addition and subtraction are, before clarifying the relationship between the two operations. Bar models are used to support children with this. They are then challenged to solve some addition and subtraction missing number problems using a variety of methods and approaches.	<ul style="list-style-type: none"> <li>Do children know that addition is the inverse of subtraction, and vice versa?</li> <li>Can children solve addition problems using a variety of appropriate methods?</li> <li>Can children solve subtraction problems using a variety of appropriate methods?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 1A/1B/1C</li> <li>Mindmap Calculation Sheet (FSD? activity only)</li> <li>Mindmap Calculation Cards 1A/1B/1C (FSD? activity only)</li> </ul>
<b>Lesson 2</b>	To be able to use the formal column addition method.	Children will start by being shown a formal column addition calculation where the digits have been replaced with place value counters. They will use this diagram to explain what is being shown and start to understand how the formal column method works. The slides then go through further examples, modelling how to solve formal column addition, using place value counters to support. Children can then use column addition to solve a variety of problems.	<ul style="list-style-type: none"> <li>Can children describe how the formal column addition method works?</li> <li>Can children use the formal column addition method with calculations that involve exchanging?</li> <li>Can children use the formal column addition to solve a variety of problems?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Place Value Counter Cards (input)</li> <li>Number Cards</li> <li>Game Sheet 2A/2B/2C</li> <li>Worksheet 2A</li> <li>Challenge Cards (FSD? activity only)</li> </ul>
<b>Lesson 3</b>	To be able to use the formal column subtraction method.	Children start by estimating the answer to a subtraction calculation, then considering how they could find the actual answer. They then go on to explore column subtraction, using place value counters to help them visualise what is happening when numbers are exchanged. They then have a variety of problems to solve, using column subtraction to find the solutions.	<ul style="list-style-type: none"> <li>Can children describe how the formal column subtraction method works?</li> <li>Can children use the formal column subtraction method with calculations that involve exchanging?</li> <li>Can children use the formal column subtraction to solve a variety of problems?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Place Value Counter Cards (input)</li> <li>Challenge Cards 3A/3B/3C</li> <li>Worksheet 3A</li> <li>Place Value Number Cards 3A/3B (FSD? activity only)</li> </ul>
<b>Lesson 4</b>	To be able to use addition and subtraction methods to solve problems.	This lesson will deepen their understanding of the relationship between addition and subtraction. Numbers within addition and subtraction sentences are replaced with symbols. Children are challenged to work out the value of the symbols using their knowledge of addition and subtraction.	<ul style="list-style-type: none"> <li>Can children use appropriate addition and subtraction methods to solve problems?</li> <li>Can children check the answers to addition and subtraction problems using the inverse?</li> <li>Can children use their reasoning skills to solve problems?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 4A/4B/4C</li> <li>Code Cracker 4A/4B/4C (FSD? activity only)</li> <li>Calculation Cards 4A/4B/4C (FSD? activity only)</li> <li>Code Words 4A/4B/4C (FSD? activity only)</li> </ul>
<b>Lesson 5</b>	To be able to use addition and subtraction to solve word problems.	Children are challenged to use their knowledge of addition and subtraction to solve a variety of word problems. The slides guide children through some different questions, using the RUCSAC model to help them identify and complete the different steps needed to successfully solve word problems. Children are challenged to use the inverse to check their answers.	<ul style="list-style-type: none"> <li>Can children read word problems and understand what they are being asked to find out?</li> <li>Can children choose appropriate operations and methods to solve addition and subtraction problems?</li> <li>Can children check that their answers are accurate?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Challenge Cards 5A/5B/5C</li> <li>Question Cards (FSD? activity only)</li> <li>Worksheet 5A/5B/5C (FSD? activity only)</li> </ul>