

# Methods of Addition : Maths : Year 4 : Spring Term

	Learning Objective	Overview	Assessment Questions	Resources
<b>Lesson 1</b>	To be able to use the expanded method to solve addition problems, using approximation first.	Children will round three-digit numbers to the nearest hundred and add them together to find approximate answers. They will recap how to use the expanded method to solve addition problems and use their approximations to check for accuracy.	<ul style="list-style-type: none"> <li>• Can the children approximate?</li> <li>• Can they use partitioning to answer a calculation?</li> <li>• Can the children use a standard vertical method to answer a calculation?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Number Cards 1A/1B/1C</li> <li>• Challenge Sheet (FSD? activity only)</li> </ul>
<b>Lesson 2</b>	To be able to solve addition calculations using vertical addition.	Children will compare the vertical addition method with the expanded method to identify similarities and differences. They will recap how to use column addition to add two three-digit numbers. Higher-ability children will start to add four-digit numbers.	<ul style="list-style-type: none"> <li>• Can children use vertical addition to solve addition calculations that do not need carrying?</li> <li>• Can children use vertical addition solve calculations that involve carrying?</li> <li>• Can children find an approximate answer before solving a problem?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 2A/2B/2C</li> <li>• Digit Cards</li> <li>• Addition Web 2A/2B/2C (FSD? activity only)</li> </ul>
<b>Lesson 3</b>	To be able to choose an appropriate method to solve an addition calculation.	Children will explore the adjustment method to help them solve addition problems mentally. They will then choose an appropriate method for a variety of addition calculations.	<ul style="list-style-type: none"> <li>• Can the children add three-digit numbers using an informal written method?</li> <li>• Can they add three-digit numbers using the standard written method?</li> <li>• Can they add three-digit numbers mentally?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 3A/3B/3C</li> <li>• Addition Cards 3A/3B (FSD? activity only)</li> </ul>
<b>Lesson 4</b>	To be able to choose an appropriate mental or written method to solve an addition calculation.	Children will solve increasingly difficult addition questions, moving into adding four-digit numbers and three three-digit numbers. Children will choose an appropriate mental, informal or formal method to solve a problem, based on the calculation.	<ul style="list-style-type: none"> <li>• Can the children add three-digit numbers using an informal written method?</li> <li>• Can they add three-digit numbers using the formal written method?</li> <li>• Can they add three-digit numbers mentally?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 4A/4B/4C</li> <li>• Challenge Sheet 4A/4B/4C (FSD? activity only)</li> </ul>
<b>Lesson 5</b>	To assess understanding of methods of addition.	Children will consolidate their learning and recap what they have learnt about addition methods. They will solve a variety of word problems, choosing an appropriate method and checking their answers using approximations. They will solve addition problems and investigations, using mental methods wherever possible.	<ul style="list-style-type: none"> <li>• Can the children add three-digit numbers using an informal written method?</li> <li>• Can they add three-digit numbers using the standard written method?</li> <li>• Can they add three-digit numbers mentally?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Up the Wall 5A/5B/5C</li> <li>• Worksheet 5A/5B (FSD? activity only)</li> <li>• Spinner or ten-sided dice (FSD? activity only)</li> </ul>