

# Let's Calculate : Maths : Year 5 : Spring Term

	Learning Objective	Overview	Assessment Questions	Resources
<b>Lesson 1</b>	To be able to understand and use brackets in calculations involving all four operations.	Children will explore the function of brackets in a calculation and start to solve calculations involving one set of brackets. They will be encouraged to solve such problems mentally wherever possible. They will also read and understand a two-step word problem, expressing the problem as a single calculation involving brackets. They can also explore different ways of writing a calculation where the answer is known.	<ul style="list-style-type: none"> <li>• Can children multiply, divide, add and subtract numbers mentally?</li> <li>• Do children understand the function of brackets within a calculation?</li> <li>• Can children choose the correct order in which to solve calculations involving brackets?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Domino Cards 1A/1B/1C</li> <li>• Challenge Cards 1A/1B (FSD? activity only)</li> </ul>
<b>Lesson 2</b>	To understand the function of the equals sign and use this to find multiple ways of solving the same problem.	Children will explore and understand the function of the equals sign in a calculation. They will find multiple ways of solving the same equation, such as $35 \div 5 = 3^2 - 2$ or $35 \div 5 = (40 + 9) \div 7$ . They will also solve missing number problems in equations. Children are encouraged to solve calculations using all four operations, brackets and square numbers.	<ul style="list-style-type: none"> <li>• Do children understand the function of the equals sign within calculations?</li> <li>• Can children find multiple ways of solving the same calculation?</li> <li>• Can children solve missing number problems?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Challenge Cards 2A/2B/2C</li> <li>• Calculation Cards (FSD? activity only)</li> </ul>
<b>Lesson 3</b>	To be able to solve problems that involve scaling by simple fractions.	Children will start by answering some quick-fire problems involving all four operations, solving the problems mentally wherever possible. They will then go on to solve a variety of problems that involve scaling by simple fractions, e.g. finding half more or a quarter less than a given amount.	<ul style="list-style-type: none"> <li>• Can children find fractions of numbers?</li> <li>• Can children use mental methods to solve simple problems that involve scaling by simple fractions?</li> <li>• Can children use written methods to solve more challenging problems that involve scaling by simple fractions?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 3A/3B/3C</li> <li>• Game Board 3A/3B (FSD? activity only)</li> <li>• Game Cards 3A/3B (FSD? activity only)</li> <li>• Instruction Card (FSD? activity only)</li> </ul>
<b>Lesson 4</b>	To be able to solve word problems involving all four operations.	Children will start by considering the process they need to follow to successfully solve word problems. They will then be asked to solve a variety of word problems, with the focus being on understanding what the question is asking and choosing the correct operation to solve the problem. There is also the option to solve a variety of problems that will require them to understand the vocabulary associated with all four operations.	<ul style="list-style-type: none"> <li>• Can children identify what a question is asking them to work out?</li> <li>• Can children choose an appropriate method to solve a word problem?</li> <li>• Can children check their answers for accuracy?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 4A/4B/4C/4D</li> <li>• Word Problems 4A/4B/4C</li> <li>• Help Card</li> </ul>
<b>Lesson 5</b>	To be able to solve multi-step word problems involving all four operations.	Children are challenged to solve a variety of multi-step problems, thinking about how they can express the working out they need to do in a single calculation involving brackets. They will need to choose which operations are needed and check their answers. There are also some challenging number riddles to solve.	<ul style="list-style-type: none"> <li>• Can children identify what a multi-step word problem is asking them to do?</li> <li>• Can children solve word problems that involve multiple steps?</li> <li>• Can children express their working out as a number sentence?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Word Problem Cards (green, orange and blue)</li> <li>• Worksheet 5A/5B/5C</li> <li>• Riddle Cards 5A/5B (FSD? activity only)</li> </ul>