


















Addition, Subtraction, Multiplication and Division: Bonkers BODMAS

<p>Aim: Use their knowledge of the order of operations to carry out calculations involving the four operations.</p> <p>I can correctly use the order of operations to carry out calculations.</p>	<p>Success Criteria: I know the order of operations.</p> <p>I can use the order of operations to work out and check calculations.</p>	<p>Resources: Lesson Pack Scissors Glue sticks</p>
	<p>Key/New Words: BODMAS, brackets, order, division, multiplication, addition, subtraction.</p>	<p>Preparation: Multiplication Mayhem Square - one per pair BODMAS Calculation Cards - one per pair BODMAS Matching Activity Sheet - one per child BODMAS Calculation Activity Sheet - one per child Extra Challenge Activity Sheet - as required</p>

Prior Learning: It will be helpful if children are familiar with methods of calculations for the four main operations (addition, subtraction, multiplication and division).

Learning Sequence

	<p>Multiplication Mayhem: The children work in pairs to find missing numbers and correct mistakes on the Multiplication Mayhem Activity Sheet. They are given one minute to complete as much as they can.</p>	
	<p>What Is BODMAS? Go through the slides from the Lesson Presentation to explain what BODMAS is, giving examples. Repeat with additional examples if necessary.</p>	
	<p>Correct Calculations: Using the Lesson Presentation, the children work out which calculations give the answer desired. <i>Can the children explain how they completed the calculation? Did the children use BODMAS? Did the children check their answer?</i></p>	
 	<p>Bonkers BODMAS: Explain to the children that they will be completing a range of questions that will require them to perform calculations using BODMAS.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>In pairs, the children sort the BODMAS Calculation Cards into true or false categories, <i>checking the calculations using BODMAS.</i></p> </div> <div style="text-align: center;">  <p>Children <i>complete a series of calculations using BODMAS</i> to match questions with the corresponding answer to complete BODMAS Matching Activity Sheet.</p> </div> <div style="text-align: center;">  <p>Children <i>complete a series of calculations involving BODMAS</i> using BODMAS Calculation Activity Sheet. An Extra Challenge Activity Sheet is provided as an extension activity if required.</p> </div> </div>	
	<p>Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative activity. These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, 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> <div style="margin-top: 10px;">  Children use their knowledge of the order of operations (BODMAS) in order to complete fluency problems. </div> <div style="margin-top: 10px;">  Children explore answering reasoning problems which involve knowledge and understanding of the order of operations (BODMAS). </div> <div style="margin-top: 10px;">  Children use problem solving skills in order to answer an open-ended task that involves a greater depth of thinking when using the order of operations (BODMAS). </div>	



Picture This: As a whole class, children choose a calculation to complete using BODMAS. If the calculation answer is correct, part of a picture is revealed. Can the children correctly guess the picture before the calculations are complete?



Explore it

Make it: Children create their own poster to demonstrate BODMAS using this [example](#) as a guide.

Complete it: Practise BODMAS by completing this challenging [BODMAS Activity Sheet](#).

Create it: Children create a game that allows players to practise BODMAS by answering a series of questions.