

Addition, Subtraction, Multiplication and Division: Colour Me In

Aim: Use their knowledge of the order of operations to carry out calculations involving the four operations. I can add and subtract numbers using a formal written method.	Success Criteria: I can add and subtract numbers with decimals. I can add and subtract increasingly larger numbers. I can use a formal written method.	Resources: Lesson Pack Assortment of coloured pencils
	Key/New Words: Add, addition, more, plus, increase, sum, total, altogether, decimal, subtract, different, take away, minus, number sentence, written method.	Preparation: Target Decimal Board - 1 per pair Differentiated Colour Me In Activity Sheet - 1 per child Extension Activity Sheet - as required

Prior Learning: It will be helpful if children understand place value prior to the lesson. Also, it will be helpful if children know pairs of numbers to make 10 and 100.

Learning Sequence

	How Much? In pairs, children have a Target Decimal Board . Ask the children to add or subtract at least two numbers on their board to find; the highest whole number, the smallest whole number, the number closest to 100, the smallest number with three decimal places, the highest row total and the lowest column total. Then one child in the pair selects a number from the board. This will be the target number. In pairs, children create calculations (including numbers with decimals) to make the target number. Repeat.	
	Adding and Subtracting: Revise written strategies by talking through the information on the Lesson Presentation . Repeat with additional examples if necessary.	
	Making Colours: Using the Lesson Presentation , the children work out the answer to addition and subtraction calculations to find the colour created in the palette. <i>Can the children explain how they completed the calculation? Which calculation method did they choose? Did the children check their answer?</i>	
	Colour Me In: Explain to the children that they will be completing a range of questions that will require them to perform calculations using the strategies demonstrated earlier in the lesson. Once the children have completed each calculation on the differentiated Colour Me In Activity Sheet , the answer will relate to a colour. The children colour in the picture with the relating colour. <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Individually, the children complete the activity by selecting and using an appropriate written calculation method to answer the large whole number calculations (up to seven-digit numbers).</p> </div> <div style="text-align: center;"> <p>Individually, the children complete the activity by selecting and using an appropriate written calculation method to answer the mixed number calculations.</p> </div> <div style="text-align: center;"> <p>Individually, the children complete the activity by selecting and using an appropriate written calculation method to answer the mixed number calculations (involving numbers with two decimal places). An Extra Challenge Activity Sheet is provided as an extension activity if required.</p> </div> </div>	
	Painting By Numbers: Working through the slides from the Lesson Presentation , the children choose a calculation from the jigsaw to complete in order to reveal part of a picture. Can the children guess the artist before the picture is fully revealed? The answers are: Le Bassin aux Nymphéas by Claude Monet, A Sunday on La Grande Jatte by Georges Seurat, Composition 7 by Wassily Kandinsky, Wheat Field with Cypresses by Vincent van Gogh.	

Masterit

- Makeit:** Children create their own maths game to practise addition and subtraction calculations using a formal written method.
- Huntit:** Create a number treasure hunt where children need to answer addition and subtraction calculations.