














Addition, Subtraction, Multiplication and Division: Cupcake Creator

Aim: Solve problems involving addition, subtraction, multiplication and division. I can solve a problem and check the answer using estimation.	Success Criteria: I can decide whether a problem is one step, two steps or multi-step. I can decide if I need to use addition, subtraction, multiplication or division. I can solve word problems and talk about how I did it.	Resources: Lesson Pack Coloured pencils
	Key/New Words: Solve, total, more, minus, plus, decrease, increase, sum, difference between, total, altogether, calculate, method, spent, change, nearest multiple, doubling, halving, multiply, multiplication, lots of, groups of, divide, division, fraction, percentage.	Preparation: Target Board - 1 per pair Differentiated Cake Creator Activity Sheet - 1 per child Extra Challenge Activity Sheet - as required RUCSAC Prompt Cards - as required

Prior Learning: It will be helpful if children have a secure understanding of place value, number bonds, multiplication facts and corresponding number facts.

Learning Sequence

	Right on Target: In pairs, children have a Target Board . Read numbers on the Lesson Presentation . The children try to create the number on the presentation by adding, subtracting, multiplying and or dividing numbers on their target board.	
	Ingredients for Being a Problem Solver: Read through the slides from the Lesson Presentation , modelling using RUCSAC to help identify the operation/s and solve word problems. Repeat with further examples if required.	
	Bake-Off: Working with a partner, children use RUCSAC to solve the word problems on the Lesson Presentation and select the correct answer on each slide. You could ask the children to 'vote' for the correct answer as a means of assessment. <i>Can the children select the key words in the word problems? Which operation did they choose? Can the children calculate the answer? Did the children check their answer?</i>	
	Cake Creator: Using the differentiated Cake Creator Activity Sheets , the children take turns to select and answer the word problems. If the answer is correct, the child can colour a layer of their cake. The first person to colour their entire cake wins. Remind children to use RUCSAC to help them during the task, providing RUCSAC Prompt Cards if required and check their answers using estimation.	
 Taking turns, the children select and solve one-step problems involving all four operations by deciding which operation to use.	 Taking turns, the children select and solve two-step problems involving all four operations by deciding which operations to use.	 Taking turns, the children select and solve multi-step problems involving all four operations by deciding which operations to use. An Extra Challenge Activity Sheet is provided as an extension activity if required.
	Take a Bite: Using the slides on Lesson Presentation , children work in pairs to answer a word problem before the time runs out. <i>Can the children identify key words? Did the children select the correct operation to solve the problem?</i>	

Masterit

Makeit: The children create a treasure hunt style game that involves the children finding and solving word problems that are hidden around the classroom. The children may create a map to help children find the hidden word problems.

Solveit: Children complete these fabulous **Bake Off KS2 Differentiated Maths Challenge Cards**.