Multiplying and Dividing: Maths : Year 3 : Autumn Term

PlanBee

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To recall and use the three and four times table facts	In this first lesson, children apply their knowledge of the three and four times tables and their corresponding division facts to solve simple word problems around the context of Christmas. In their independent activities, children will solve jigsaw puzzles by matching word problems to number sentences and answers. Alternatively, they will complete missing number sentences or answers to questions on the Berry Christmas! Sheet.	• Can children identify and explain which operation is needed to solve a word problem? • Can children apply their knowledge of multiplication facts when solving word problems? • Can children apply their knowledge of division facts when solving word problems?	• Slides • Jolly Jigsaws Sheet 1A/1B/1C • Blank Jolly Jigsaws Sheet • Berry Christmas! Sheet A/B/C (FSD? activity only)
Lesson 2	To know how to multiply a two-digit number by a one-digit number using partitioning	Children will learn how to multiply larger numbers by three and four using the partitioning method. As a class they will solve word problems where they need to partition, multiply and then recombine to arrive at the answer. Children will practise this method in their independent activities when solving number sentences or word problems based around a Christmas theme.	• Can children multiply a two-digit number by three? • Can children multiply a two-digit number by four? • Can children explain the steps they have taken to solve a number sentence?	• Slides • Christmas Crackers! Sheet 1A/1B/1C • Christmas Decorations Price Sheet A/B(FSD? activity only) • Christmas Decorations Problems Sheet A/B (FSD? activity only)
Lesson 3	To know how to divide a two-digit number by a one-digit number using repeated subtraction	Children will learn how to divide larger numbers by three and four using a number line and the repeated subtraction method. They will learn how to identify and correct common mistakes when using this method. In their independent activity, children solve division number sentences and then link the answers to letters in order to spell out the punchline to a joke. Alternatively, they solve division word problems involving common multiples of three and four.	• Can children divide a two-digit number by three? • Can children divide a two-digit number by four? • Can children explain the steps they have taken to solve a number sentence?	• Slides • Worksheet 3A/3B/3C • It's a Joke! Cards A/B • Team Elf! Sheet (FSD? activity only) • Blank Number Lines Sheet (FSD? activity only)
Lesson 4	To know how to solve missing number problems	In this lesson, children will practise using the inverse operation in order to solve missing number problems. They will use their knowledge of the three and four times tables and the corresponding division facts. Children will apply this knowledge in their independent activities by matching up number sentences with missing numbers in the It's a Wrap! game. Alternatively, they will be challenged to fill in missing sentences in word problems, in order to result in the answer given.	• Do children understand what an inverse operation is? • Can children use the inverse operation to solve missing number problems involving multiplication and division? • Can children explain their methods and reasoning?	• Slides • It's a Wrap! Cards Set A, B, C, D • Missing Sentences Challenge Cards (FSD? activity only)
Lesson 5	To develop problem-solving skills	Children will apply their knowledge of the three and four times tables by solving problems using the trial and improvement method. They will be encouraged to explain their reasoning and justify their ideas. Children will use this method in their independent activities to complete a variety of Christmas-themed challenges.	• Do children understand the trial and improvement method? • Can children use the trial and improvement method to solve problems? • Can children explain their reasoning?	• Slides • Sweets Galore! Challenge Cards A/B • Sweets Galore! Recording Sheet • Piles of Presents! Cards (FSD? activity only) • Piles of Presents! Tree Sheet (FSD? activity only) • Piles of Presents! Worksheet (FSD? activity only)

NB: 'FSD? Activity only' refers to the alternative 'Fancy Something Different…?' activity within the lesson plan