Let's Add Big Numbers: Maths : Year 2 : Summer Term

PlanBee

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To know how to partition two- and three-digit numbers	In this first lesson, children will discuss and understand the value of each digit in two- and three-digit numbers. They will use this knowledge to partition each number into tens and ones, or hundreds, tens and ones. Children will then apply this understanding in their independent activities.	• Do children understand what the different digits in two- and three-digit numbers represent? • Can children partition two-digit numbers into tens and ones? • Can children partition three-digit numbers into hundreds, tens and ones?	• Slides • Whiteboards (Mental Oral Starter & FSD? activity) • Triple Up! Cards • Worksheet 1A/1B • What's My Number? Card Set A/B (FSD? activity only) • Instructions Card (FSD? activity only) • Sentence Prompt Card A/B (FSD? activity only) • Photo Sheet
Lesson 2	To use partitioning to add a multiple of ten to a two-digit number	In this lesson, children will use their partitioning skills to add a two-digit number to a multiple of ten. They will explore and practise the steps needed to solve different addition number sentences, and then apply them in their independent activities.	• Can children partition a two-digit number? • Can children use partitioning to help them add a two-digit number to a multiple of ten? • Can children explain how they use partitioning to solve addition number sentences?	• Slides • Worksheet 2A/2B/2C • Dienes/Place Value Blocks • Farmer Giles and Farmer Joan Cards (FSD? activity only) • How Many Altogether? Worksheet (FSD? activity only) • Photo Sheet
Lesson 3	To use partitioning to add two two-digit numbers together	Children will progress to using their partitioning skills to add two two-digit numbers together, by first partitioning each number and then recombining them as tens and ones, before adding these two numbers together to find the final answer. The independent activities give children further opportunities to practise this method of addition.	• Do children know how to partition numbers? • Can children solve number sentences involving the addition of two two-digit numbers? • Can children explain how they can use partitioning to add two two-digit numbers?	• Slides • Jigsaw Cards Set A/B/C/D • Help Cards • Worksheet 3A/3B • Balloon Challenge Cards (FSD? activity only) • Balloon Challenge Worksheet (FSD? activity only) • Photo Sheet
Lesson 4	To add two two-digit numbers in the context of money word problems	Children will apply their knowledge and understanding of partitioning to help them solve addition word problems involving money. They will learn how to bridge through ten in order to add together a wider range of numbers. In their independent activities, children find the total amounts spent during a trip to several shops. In the FSD? activity, children work as a group and use trial and improvement to decide what two items can be bought for a given price.	• Can children explain how they can use partitioning to add two two-digit numbers? • Can children add two two-digit numbers involving bridging through ten? • Can children solve addition problems involving money using partitioning?	• Slides • Whiteboards (optional - for Teaching Input) • Coin Cards • Shopping Trip Sheet 4A/4B/4C • Fruit & Veg Price List (FSD? activity only) • Puzzle Cards Set (FSD? activity only) • Photo Sheet
Lesson 5	To be able to add two two-digit numbers mentally	In this final lesson, children will focus on adding two two-digit numbers mentally. They will first work in pairs to partition and then recombine the separate tens and ones totals, and then will be challenged to solve number sentences mentally by themselves. In their independent activities, children will generate their own number sentences for others to answer.	• Can children partition two-digit numbers mentally? • Can children add two two-digit numbers mentally? • Can children explain the steps they took to solve an addition number sentence mentally?	• Slides • Number Cards • Worksheet 5A/5B/5C • Sellotape (optional) • Number Sentence Strips (FSD? activity only) • Blu-Tack (FSD? activity only) • Worksheet 5D (FSD? activity only) • Photo Sheet

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