

Partition Addition : Maths : Year 3 : Spring Term

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to use partitioning to add two two-digit numbers.	Children will recap how to partition a two-digit number into tens and one, and explore how partitioning can be used to help solve addition problems. Children will learn to set partitioned numbers up in columns as a precursor to column addition.	<ul style="list-style-type: none"> Can the children partition two-digit numbers? Can they add columns of numbers? Can they add two two-digit numbers using a vertical partitioning method? 	<ul style="list-style-type: none"> Slides Worksheet 1A/1B/1C Up the Wall sheet (FSD? activity only)
Lesson 2	To be able to check calculations using the inverse.	Children will learn how to use subtraction (using a number line to support them) to check an addition calculation. Children will solve addition problems, using the column partitioning method, then check each calculation using the inverse. They will be taught how to adjust any calculations found to be incorrect.	<ul style="list-style-type: none"> Can children partition a number? Can children solve an addition calculation using partitioning? Can children check an addition calculation using the inverse? 	<ul style="list-style-type: none"> Slides Worksheet 2A/2B/2C True or False Cards 2A/2B (FSD? activity only)
Lesson 3	To be able to use partitioning to add numbers up to three digits.	Children will explore how to partition three-digit numbers into hundreds, tens and ones, before extending their understanding of the vertical partitioning method to solve addition calculations that involve two- and three-digit numbers. There are opportunities for activities that include reasoning and investigation.	<ul style="list-style-type: none"> Can children partition a three-digit number? Can children add numbers up to three digits using partitioning? Can children solve addition puzzles using an appropriate method? 	<ul style="list-style-type: none"> Slides Challenge Cards 3A/3B/3C Worksheet 3A/3B (FSD? activity only)
Lesson 4	To be able to use the expanded method to solve addition problems.	Children will learn how to use the expanded addition method to solve two-digit add three-digit, and three-digit add three-digit calculations. Children will use their knowledge of partitioning to solve such problems, setting out the problems in a more formal a structured way.	<ul style="list-style-type: none"> Can children partition three-digit numbers? Can children use the expanded method to solve addition calculations? Can children solve missing number problems related to the expanded method? 	<ul style="list-style-type: none"> Slides Worksheet 4A/4B/4C Challenge Cards 4A/4B (FSD? activity only)
Lesson 5	To be able to use appropriate methods to solve addition problems.	Children will use what they have learnt during the week to solve addition problems, including word problems, choosing an appropriate method.	<ul style="list-style-type: none"> Can children use the decomposition and expanded methods to solve addition problems? Can children solve addition problems using an appropriate method? Can children check their answers using the inverse? 	<ul style="list-style-type: none"> Slides Worksheet 5A/5B/5C Target Number Sheets (FSD? activity only)