

Solving Subtraction: Maths : Year 3 : Spring Term

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to solve three-digit subtraction problems using a number line.	Children begin with some quick-fire subtraction questions which challenge them to subtract ones, tens and hundreds from three-digit numbers. They then go on to use a number line to subtract two- or three-digit numbers from a three-digit number.	<ul style="list-style-type: none"> • Can children subtract numbers mentally? • Can children use a number line to subtract a two-digit number from a three-digit number? • Can children use a number line to subtract a three-digit number from a three-digit number? 	<ul style="list-style-type: none"> • Slides • Worksheet 1A/1B/1C • Tarsia Puzzle 1A/1B (FSD? activity only)
Lesson 2	To be able to use decomposition to solve subtraction problems that involve exchanging.	Children answer some quick-fire mental subtraction questions before looking at how the decomposition method can be used to solve HTO-TO and HTO-HTO problems. They will start to look at exchanging, using diagrams and apparatus to help them visualise the process.	<ul style="list-style-type: none"> • Can children solve simple subtraction problems mentally? • Can children use the decomposition method to solve subtraction problems that don't require exchanging? • Can children use the decomposition method to solve subtraction problems that require exchanging? 	<ul style="list-style-type: none"> • Slides • Calculation Cards 2A/2B/2C • Worksheet 2A/2B/2C • Challenge Card 2A/2B (FSD? activity only) • Dienes blocks or Place Value Cards (FSD? activity only)
Lesson 3	To be able to use column subtraction without exchanging.	Children will be introduced to the formal column subtraction in cases where no exchanging is required. They will learn how to set out such calculations correctly and solve problems with up to four digits.	<ul style="list-style-type: none"> • Can children note similarities and differences between the decomposition and column subtraction methods? • Can children subtract one number from another using column subtraction without exchanging? • Can children subtract more than one number at once using column subtraction without exchanging? 	<ul style="list-style-type: none"> • Slides • Calculation Cards 3A/3B/3C • Game Board 3A/3B/3C • Challenge Cards 3A/3B (FSD? activity only) • Number Sheet 3A/3B (FSD? activity only) • Worksheet 3A/3B (FSD? activity only)
Lesson 4	To be able to use column subtraction involving exchanging.	Children will recap the formal column method of subtraction, starting with some examples where no exchanging is required and moving on to examples where exchanging is needed both from the tens and hundreds columns. Children will solve increasingly more challenging calculations using this method, using diagrams and apparatus to help them if necessary.	<ul style="list-style-type: none"> • Can children solve TO-TO calculations using the column subtraction method with exchanging? • Can children solve HTO-TO calculations using the column subtraction method with exchanging? • Can children solve HTO-HTO calculations using the column subtraction method with exchanging? 	<ul style="list-style-type: none"> • Slides • Worksheet 4A/4B/4C • Place Value Cards • Challenge Cards 4A/4B/4C (FSD? activity only)
Lesson 5	To be able to use subtraction to solve problems.	Children will consider the various subtraction methods they have used throughout the week and discuss which they find easiest and which they think are most efficient. They will then go on to use their subtraction skills to solve a variety of word problems.	<ul style="list-style-type: none"> • Can children identify a variety of strategies and methods for solving subtraction problems? • Can children use mental methods to subtract ones, tens and hundreds from numbers with three digits? • Can children use written methods accurately to solve subtraction calculations? 	<ul style="list-style-type: none"> • Slides • Worksheet 5A/5B/5C • Challenge Cards 5A/5B (FSD? activity only)