Methods of Subtraction : Maths : Year 4 : Spring Term

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to use the equals addition method to solve subtraction problems.	Children will learn how to use the equals addition method to help them solve subtraction problems mentally or with informal jottings. They will explore different ways of using the equals addition method to make the calculation easiest to solve. Children will check their calculations using the inverse.	• Can children use the equals addition method to solve TO-TO calculations? • Can children use the equals addition method to solve HTO-TO calculations? • Can children use the equals addition method to solve HTO-HTO calculations?	• Slides • Worksheet 1A/1B/1C • Sometimes, Always, Never Cards (FSD? activity only)
Lesson 2	To be able to use the decomposition method to solve subtraction problems.	Children will learn how to use the decomposition method to solve subtraction problems. They will recap how to partition a number, then will arrange the decomposed numbers vertically. They will be introduced to the idea of exchanging, using apparatus to demonstrate this.	• Can children partition a number accurately? • Can children use the decomposition method to solve subtraction problems without exchanging? • Can children use the decomposition method to solve subtraction problems that include exchanging?	• Slides • Calculation Cards 2A/2B/2C • Colour by Number sheets 2A/2B/2C • Subtraction Maze 2A/2B (FSD? activity only)
Lesson 3	To be able to use a variety of methods to solve subtraction problems.	Children will link the decomposition, expanded and formal column methods of subtraction, noticing similarities and differences, and using their understanding of each method to relate to the others. Children will practise using all three methods to solve calculations. Children will solve problems that include exchanging.	• Can children solve subtraction problems using the decomposition method? • Can children solve subtraction problems using the expanded method? • Can children solve subtraction problems using the formal column method?	• Slides • Calculation Cards 3A/3B/3C • Method Cards • Help Card • Worksheet 3A/3B (FSD? activity only)
Lesson 4	To be able to use the formal column method to solve subtraction problems.	Children will practise the formal column subtraction method, starting with three-digit numbers and extending to four- and five-digits if appropriate. Children will solve problems that include exchanging.	• Can children use formal subtraction to solve three-digit subtraction problems? • Can children use formal subtraction to solve four-digit subtraction problems? • Can children use formal subtraction to solve subtraction problems that involve numbers of more than four digits?	• Slides • Number Cards 4A/4B/4C • Worksheet 4A or squared paper • Calculation Cards 4A/4B (FSD? activity only)
Lesson 5	To be able to choose an appropriate method for solving subtraction problems.	Children will solve a variety of one- and two-step word problems relating to subtraction, choosing an appropriate method from the methods they have been using throughout the week. They will use the inverse to check their work.	• Can children solve subtraction problems accurately using informal methods? • Can children solve subtraction problems accurately using formal methods? • Can children use approximations and the inverse to check their work?	• Slides • Worksheet 5A/5B/5C • Challenge Sheet 5A/5B (FSD? activity only)