

Mental and Written Addition: Maths : Year 5 : Summer Term

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To use formal column methods to solve addition problems.	Children will use formal column addition methods to solve problems. They will work out how much stock shopkeepers have in their store or play an addition target number game. They will be encouraged to use mental methods as well as rounding and estimating to check their answers.	<ul style="list-style-type: none"> • Can children use formal column addition? • Can children use mental methods to check their answers? • Can children explain their workings out? 	<ul style="list-style-type: none"> • Slides • Worksheet 1A/1B/1C • Game Sheet (FSD...? activity only)
Lesson 2	To solve addition problems using the rounding and adjusting method.	Children will use rounding and adjusting to solve addition problems. They will work out how much stock each department has. They will be encouraged to think about the best method to use when solving problems and to explain their methods.	<ul style="list-style-type: none"> • Can children use the rounding and adjusting method to solve addition problems? • Can children use alternative methods to check their answers? • Can children explain their methods? 	<ul style="list-style-type: none"> • Slides • Problem Cards • Game Sheet A/B • Shopping Trolley Card A/B • Green Number Cards A/B (FSD...? activity only) • Red Number Cards A/B (FSD...? activity only)
Lesson 3	To use addition to solve problems involving mass.	Children will use addition methods to arrange items of stock on shop shelves, keeping within the weight limit of the shelf. They will need to employ a variety of problem-solving strategies to ensure they keep within the specific requirements of the shopkeepers. The alternative activity involves your class weighing a variety of classroom items and finding their total weight.	<ul style="list-style-type: none"> • Can children add multiple weights? • Can children choose appropriate methods when adding? • Can children explain their methods and answers? 	<ul style="list-style-type: none"> • Slides • Problem Cards (TI only) • Problem Requirement Cards (TI only) • Aisle Requirement Cards A/B/C • Stock Sheet A/B/C • Stationary Cards (FSD...? activity only) • Worksheet 3A/3B (FSD...? activity only) • Digital weighing scales (FSD...? activity only) • Near Doubles Cards A/B (Plenary only)
Lesson 4	To solve addition problems involving money.	Children will work out how much money has been spent on rebranding the store. They will have the opportunity to use the addition methods they feel are most appropriate to solve each problem, including using estimation to check answers.	<ul style="list-style-type: none"> • Can children add numbers with decimals? • Do children understand a running total? • Do children understand the sequence of numbers when moving from negative to positive numbers? 	<ul style="list-style-type: none"> • Slides • Worksheet 4A/4B/4C • Stock Sheet (FSD...? activity only) • Budget Cards (FSD...? activity only) • Shop catalogue
Lesson 5	To solve a variety of addition problems.	Children will solve a variety of addition problems involving money. They will be the customers at the shop and work out how much money their shop costs.	<ul style="list-style-type: none"> • Can children solve addition word problems? • Can children use a variety of methods to solve problems? • Can children explain their workings and check their answers? 	<ul style="list-style-type: none"> • Slides • Product List • Challenge Cards A/B/C • Customer Cards A/B (FSD...? activity only)