More Multiplication and Division: Maths : Year 6 : Summer Term

PlanBee

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to choose appropriate multiplication and division methods for solving a variety of calculations.	In preparation for the work in the lessons ahead, children review the methods for formal short and long multiplication and division. They will be reminded of the necessary steps to solve each type of calculation before solving some missing number problems. They will then work independently to consolidate their understanding of these processes.	• Can children use the formal methods of short multiplication and short division? • Can children use the formal methods of long multiplication and long division? • Can children choose which method is most appropriate for solving different calculations?	• Slides • Calculation Cards • Worksheet 1A/1B/1C • Help Sheet • Game Sheet (FSD? activity only) • Dice (FSD? activity only)
Lesson 2	To be able to use multiplication and division to solve problems.	Beginning the holiday theme in this lesson, children are challenged to watch a short animation about a journey on a plane and use the information given to solve a variety of multiplication and division problems. In their independent learning they will then solve similar problems from a description of a plane journey. Alternatively, they can help an airline work out how many seats were sold on their flights and how much money was made from some given information.	• Can children identify important information to work out what the question is asking them to solve? • Can children choose an appropriate operation and method to solve a variety of problems? • Can children check reasonableness of their answers using estimation?	• Slides • Note Sheet (input) • Zoe on a Plane (mp4) • Holiday Comprehension Cards 2A/2B/2C • Holiday Comprehension 2A/2B/2C • Worksheet 2A/2B/2C (FSD? activity only)
Lesson 3	To be able to use multiplication and division to solve problems.	The slides in this lesson introduce your class to a character who needs help choosing a hotel for her holiday. Children must solve various calculations to help her determine which hotel would be most appropriate. They can also help feuding hoteliers determine whose hotel made the most profit. During their independent work, children will solve a variety of similar problems, using long and short multiplication and division.	• Can children use given data to find the solution to a problem? • Can children choose appropriate operations and methods to solve a variety of problems? • Can children use estimation to check the reasonableness of their answers?	• Slides • Hotel Data Card • Worksheet 3A/ • Challenge Card 3A/3B/3C • Sibling Rivalry Card 3A/3B (FSD? activity only)
Lesson 4	To be able to use long division in the context of money, expressing remainders as decimals.	Children help a family allocate their spending money for their holiday in this lesson as they learn how to use decimals to solve long division problems involving remainders. Children are shown how to add zeros after a decimal to the dividend to help express remainders, and how to round a decimal appropriately for the context (in this instance, money). They can then use what they have learnt to work out how much various holiday activities cost, or to complete a tricky decimal division challenge.	• Can children use the long division method appropriately? • Can children solve use interpret remainders as decimals in long division calculations? • Can children use knowledge of long division and other operations to solve problems?	• Slides • Activity Sheet 4A/4B/4C • Price Card 4A/4B • Challenge Cards 4A/4B/4C (FSD? activity only)
Lesson 5	To be able to use a variety of operations and methods to plan a holiday.	Children are challenged to plan their own holiday in this lesson. They can choose who they travel with and are given a set amount of money per person. From three different destinations, they must then choose the best flights, accommodation and activities for their budget and requirements. Alternatively, they can help a family work out these problems based on given criteria.	• Can children solve problems involving all four operations? • Can children identify what they need to do in order to solve a problem and take sensible steps to solve it? • Can children make decisions based on answers to calculations?	• Slides • Holiday Planners • Worksheet 5A/5B/5C/5D • Family Cards (FSD? activity only)

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