Decimal Place Value: Maths : Year 6 : Autumn Term

PlanBee

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to read, write, order and compare numbers up to 10,000,000.	Children will identify the value of each digit in numbers up to ten million. They will practise reading and writing larger numbers in both numerals and words, and use place value charts to check the value of each digit. Children will start to order and compare numbers with up to seven digits.	• Can children read numbers to 10,000,000? • Can children write numbers to 10,000,000? • Can children order and compare numbers to 10,000,000?	• Slides • Crossword Puzzle 1A/1B/1C • Number Cards 1A/1B/1C (FSD? activity only) • Blank Number Cards (FSD? activity only)
Lesson 2	To be able to identify the value of each digit in numbers with up to three decimal places.	Children will identify the value of each digit in numbers with up to three decimal places. They will read and write decimals in words and numbers, and start to order and compare numbers with up to three decimal places.	• Can the children recognise decimal place value to one place? • Can the children recognise decimal place value to three places? • Can the children order decimals?	• Slides • Game Board 2A/2B • Question Cards 2A/2B • Spinner • Score Cards • Digit Cards (FSD? activity only) • Game Card 2A/2B/2C (FSD? activity only) • Dice (FSD? activity only)
Lesson 3	To be able to use place value to order numbers with up to three decimal places.	Children will use their understanding of the place value of numbers with up to three decimal places to compare and order sets of numbers.	• Could the children order decimals to one decimal place? • Could the children order decimals to two decimal places? • Could the children order decimals to three decimal places?	• Slides • Game Board 3A/3B • Dice and counters • Number Cards 3A/3B/3C (FSD? activity only)
Lesson 4	To be able to round a number with two decimal places to the nearest tenth or whole number.	Children will recap the rules for rounding whole numbers. They will then translate this knowledge to rounding numbers with up to three decimal places to the nearest whole number or nearest tenth.	• Could the children round to the nearest whole number? • Could the children round to the nearest tenth? • Could the children round to the nearest hundredth?	• Slides • Worksheet 4A/4B/4C • Game Card (FSD? activity only) • Number Cards 4A/4B (FSD? activity only)
Lesson 5	To be able to solve problems which require answers to be rounded to specified degrees of accuracy.	Children will put rounding decimals into real-life contexts as they apply a variety of maths skills to find averages, rounding the answer to the nearest tenth or whole number when needed. They will add numbers together to find totals and divide these totals to find averages, using calculators where necessary. They will then round numbers, with many decimal places in some instances, to the nearest whole number or tenth to give an answer in context.	• Can children round decimals to the nearest whole number? • Do children understand how to find an average? • Can children recall the value of each digit in numbers with up to three decimal places?	• Slides • Calculators • Challenge Cards 5A/5B/5C • Data Cards 5A/5B (FSD? activity only)

NB: 'FSD? Activity only' refers to the alternative 'Fancy Something Different...?' activity within the lesson plan