

Exploring Decimals: Maths : Year 5 : Spring Term

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to use decimal notation for tenths and hundredths.	Children will understand the link between tenths and hundredths expressed as both fractions and decimals, and be able to convert from one to the other. They will identify the value of each digit in numbers with two decimal places and put numbers with two decimal places together from their decomposed pieces.	<ul style="list-style-type: none"> • Can the children use decimal notation for tenths and hundredths? • Do they know the value of each digit? • Can they order decimals to two decimal places? 	<ul style="list-style-type: none"> • Slide • Worksheet 1A/1B/1C • Domino Cards • Game Cards 1A/1B • Decimal Bingo sheet (FSD? activity only) • Decimal Bingo Teacher Sheet (FSD? activity only)
Lesson 2	To be able to order and compare numbers with up to two decimal places.	Children will estimate the place of decimals on a number line to show their value, checking their answers. They will then compare numbers with up to two decimal places, using their understanding of place value to explain their reasoning. They will identify numbers that can go between two decimals on a number line and order sets of numbers with up to two decimal places.	<ul style="list-style-type: none"> • Can the children use decimal notation for tenths and hundredths? • Do they know the value of each digit? • Can they order decimals to two decimal places? 	<ul style="list-style-type: none"> • Slides • Decimal Cards 2A/2B/2C • Worksheet 2A (FSD? activity only) • Beanbags and trundle wheels (FSD? activity only)
Lesson 3	To be able to round decimals to the nearest whole number.	Children will learn how to round numbers with one or two decimal places to the nearest whole number. They will round decimal numbers to the nearest whole number to add totals together to find approximate answers.	<ul style="list-style-type: none"> • Can the children round tenths? • Can they round tenths and hundredths? • Can they round decimals accurately in different contexts? 	<ul style="list-style-type: none"> • Slides • Mini whiteboards • Worksheet 3A/3B/3C • Challenge Sheet (FSD? activity only) • Challenge Card A/B/C (FSD? activity only)
Lesson 4	To be able to use and understand decimals in real life contexts.	Children will round amounts of money to the nearest whole pound, adding the rounded numbers together to find approximate totals in real-life contexts. Higher-ability children are challenged to calculate actual totals to compare with their approximate answers.	<ul style="list-style-type: none"> • Can the children round small money amounts? • Can they round money amounts? • Can they calculate actual money totals? 	<ul style="list-style-type: none"> • Slides • Mini whiteboards • Worksheet 4A/4B/4C/4D • Calculators • Shopping catalogues or access to online catalogues (FSD? activity only)
Lesson 5	To be able to round decimals to the nearest tenth.		<ul style="list-style-type: none"> • Can children round numbers with up to two decimal places to the nearest whole number? • Can children round numbers with two decimal places to the nearest tenth? • Can children add numbers with one decimal place? 	<ul style="list-style-type: none"> • Slides • Game Board 5A/5B/5C • Number Cards 5A/5B/5C • Counters • Challenge Cards (FSD? activity only) • Challenge Answer Cards (FSD? activity only)