

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To develop and improve fluency when finding equivalent fractions, including simplifying fractions.	Children will learn, practise and develop a variety of strategies for finding equivalent fractions, simplifying fractions and converting percentages to fractions. They may then either undertake a variety of challenges which test their skills, or apply their learning to a 'real world' context where data must be made more meaningful.	<ul style="list-style-type: none"> Can children recognise some common fraction/percentage/decimal equivalents? Can children convert percentages to fractions? Can children use a variety of methods to find equivalent fractions, including simplifying fractions? 	<ul style="list-style-type: none"> Slides Task Table 1 Activity 1 Cards Supporting Resources Poster Challenge Card 1 (FSD...? activity only)
Lesson 2	To associate a fraction with division and calculate decimal fraction equivalents.	Children will learn a short division method for converting fractions to decimal numbers, including how, and when, to 'stop' and either round the calculated amount to three or fewer decimal places, or show that it is a recurring number using the correct symbol. They may then either solve a number of conversion calculations or play a fractions to decimals game.	<ul style="list-style-type: none"> Can children use place value knowledge to calculate decimal fraction equivalents of tenths and hundredths unit fractions? Can children then multiply decimal fraction equivalents of unit fractions to find other decimal fraction equivalents? Can children use short division to calculate decimal fractions? 	<ul style="list-style-type: none"> Slides Dividing Fractions Poster/Table Mat Worksheets 2A/2B/2C Fractions to Decimals Estimating game board and cards, plus counters and one calculator per group (FSD...? activity only)
Lesson 3	To convert decimals to fractions, simplifying them when it is appropriate, or helpful, to do so.	Children will learn and practise a method for converting decimal numbers (less than one) to fractions and percentages, simplifying them where possible. They may then either solve a variety of conversion calculations or devise and test their own decimal conversion game.	<ul style="list-style-type: none"> Can children multiply both parts of a division calculation by 10, 100, 1000 etc.? Can children recognise that multiplying a decimal number and its divisor of 1 in this way converts it to a fraction? Can children simplify fractions by finding their lowest common multiple? 	<ul style="list-style-type: none"> Slides Worksheets 3A/3B/3C Challenge Card 3 (FSD...? activity only) Counters and dice (FSD...? activity only)
Lesson 4	To use a variety of methods for comparing and converting fractions, decimals and percentages.	Children will recap the skills they have learnt and developed in previous lessons, then undertake tasks designed to help them consolidate their learning regarding comparing and converting fractions, decimals and percentages.	<ul style="list-style-type: none"> Can children recall a variety of strategies for comparing and converting fractions, decimals and percentages? Can children identify areas of their learning which are more, and less, secure? Can children select appropriately challenging questions when practising comparing and converting fractions, decimals and percentages? 	<ul style="list-style-type: none"> Slides Quiz Cards 4A/4B/4C Worksheet 4 Carroll Diagrams 4A–4F (FSD...? activity only)
Lesson 5	To multiply one-digit numbers with up to two decimal places by whole numbers.	Children will learn a three-step method for multiplying numbers with two decimal places which incorporates their previously learnt skills of using place value knowledge, times tables knowledge and formal written multiplication. They may then either solve a variety of multiplication calculations or apply what they have learnt during a practical Maths challenge.	<ul style="list-style-type: none"> Can children use times tables knowledge, and knowledge of common decimal/fraction equivalents, to multiply some numbers with two decimal places mentally? Can children use place value knowledge to simplify multiplication of numbers with up to two decimal places? Can children use written multiplication methods to multiply three-, four- or five-digit numbers? 	<ul style="list-style-type: none"> Slides Worksheets 5A/5B/5C Car Park Challenge (FSD...? activity only) Tape measures or trundle wheels (FSD...? activity only)