

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to use known multiplication facts to work out what a number has been multiplied or divided by.	Children use their knowledge of times tables to derive multiplication and division facts. They will work out what an input or output number has been multiplied or divided by on a function machine, and fill in missing input and output numbers when a function is given.	<ul style="list-style-type: none"> Can the children find the function for multiplication? Can they find the function for multiplication and division? Can they find the function when there is more than one operation? 	<ul style="list-style-type: none"> Slides Worksheet 1A/1B/1C/1D Disc cones, whiteboards and calculators (FSD? activity only)
Lesson 2	To be able to use known multiplication facts to solve problems.	Children will identify factors of numbers and use their knowledge of times tables facts to complete missing number problems. They will then solve puzzles that involve identifying numbers that have been replaced by symbols.	<ul style="list-style-type: none"> Can children recall multiplication facts? Can children use multiplication facts to solve problems? Can children derive division facts from known multiplication facts? 	<ul style="list-style-type: none"> Slides Puzzle Sheet 2A/2B/2C Challenge Sheet 2A/2B (FSD? activity only) Multiplication Grid (FSD? activity only)
Lesson 3	To be able to derive facts about a given number using knowledge of multiplication and division.	Children will identify many different ways of using multiplication and division to reach a given number. They will use the commutative law to find multiple multiplication facts and recognise that division is not commutative.	<ul style="list-style-type: none"> Do children know that multiplication is commutative but division is not? Can children derive multiplication sentences for a given number? Can children derive division sentences for a given number? 	<ul style="list-style-type: none"> Slides Worksheet 3A/3B/3C
Lesson 4	To be able to use multiplication and division to solve problems.	Children will identify what calculation needs to be done to solve a problem and will use strategies such as the grid method and chunking method to solve multiplication and division questions in real-life contexts. Problems are set in the context of a farm.	<ul style="list-style-type: none"> Can children choose appropriate multiplication or division methods to solve problems? Can children use the grid method to solve multiplication calculations? Can children use the 'chunking' method to solve division calculations? 	<ul style="list-style-type: none"> Slides Worksheet 4A/4B Fact Cards Challenge Cards 4A/4B/4C
Lesson 5	To use written methods of multiplication and division to solve problems.	Children will identify what calculation needs to be done to solve a problem and will use strategies such as the grid method and chunking method to solve multiplication and division questions in real-life contexts. Problems are set in the context of planning a festival.	<ul style="list-style-type: none"> Can children decide on appropriate methods for solving one- and two-step problems? Can children use the 'grid' method of multiplication to solve problems? Can children use the 'chunking' method of division to solve problems? 	<ul style="list-style-type: none"> Slides Worksheet 5A/5B/5C Worksheet 5D/5E (FSD? activity only)