

Multiplication and Division Facts : Maths : Year 4 : Autumn Term

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To learn multiplication facts for the six and seven times tables.	Children will identify multiples of six and multiples of seven. They will practise counting up in multiples of these numbers. They will use knowledge of other familiar times tables to answer questions and solve problems, including reasoning problems.	<ul style="list-style-type: none"> • Can children count in multiples of six and seven? • Do children know multiplication facts for the six times table? • Do children know multiplication facts for the seven times table? 	<ul style="list-style-type: none"> • Slides • Game Board 1A/1B • Counters and dice • Multiplication Grid • Worksheet 1A • Clue Cards 1A/1B (FSD? activity only) • Hundred Squares (FSD? activity only)
Lesson 2	To revise times table facts.	Children will use a handy trick to help them learn their nine times table. They will consider the multiples of nine to twelve and identify patterns. They will answer quick-fire questions and play games to help them become more familiar both with the nine times table and other familiar times tables.	<ul style="list-style-type: none"> • Can children recall multiplication facts for the six and seven times tables? • Can children recall multiplication facts for the nine times table? • Can children count in multiples of nine? 	<ul style="list-style-type: none"> • Slide • Game Cards 2A/2B/2C • Missing Number Cards 2A/2B (FSD? activity only)
Lesson 3	To be able to use repeated subtraction to solve division problems.	Children will use their knowledge of multiples of six, seven and nine to complete missing number chains. They will learn how to use repeated subtraction on a number line to solve division problems that involve remainders. They will use knowledge of times tables to derive division facts.	<ul style="list-style-type: none"> • Can children count in multiples of six, seven and nine? • Can children use repeated subtraction to solve division problems? • Can children solve division problems involving remainders? 	<ul style="list-style-type: none"> • Slides • Worksheet 3A/3B/3C • Question Cards 3A/3B (FSD? activity only)
Lesson 4	To be able to use the chunking method to solve division problems.	Children will recap the chunking method of division, considering how they can 'break up' a number into chunks to take away from a number, solving division problems by subtracting 'chunks'. They will consider the most effective way of breaking down a number.	<ul style="list-style-type: none"> • Can children use multiplication facts to help them solve division problems? • Can children use the chunking method to solve division problems? • Can children identify errors in a division calculation? 	<ul style="list-style-type: none"> • Slides • Worksheet 4A/4B/4C • Multiplication Grid • Question Cards 4A/4B (FSD? activity only)
Lesson 5	To be able to use the grid method to solve multiplication problems.	Children will recap how to use the grid method to solve multiplication problems when multiplying by a single digit. They will then explore how to use the method to multiply numbers by two digits. They can solve problems and complete investigations using the grid method to help them.	<ul style="list-style-type: none"> • Can children use their times table knowledge to derive associated multiplication facts? • Can children use the grid method to multiply numbers by a single digit? • Can children use the grid method to multiply numbers by two digits? 	<ul style="list-style-type: none"> • Slides • Worksheet 5A/5B/5C • Multiplication Grid • Challenge Card 5A/5B (FSD? activity only) • Digit Cards (FSD? activity only)