

Dividing and Multiplying: Maths : Year 4 : Summer Term

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To recall multiplication and division facts	In this first lesson, children will practise their skills of quick recall for multiplication and division facts. They will work in pairs or groups to identify number sentences which prove that a given statement is either true or false. In their independent activities, children will apply their quick recall skills to play games or solve puzzles.	<ul style="list-style-type: none"> • Can children use number sentences to prove whether a statement is correct or incorrect? • Can children recall and use multiplication facts quickly and accurately? • Can children recall and use division facts quickly and accurately? 	<ul style="list-style-type: none"> • Slides • Multiplication Cards (Teaching Input) • Division Cards (Teaching Input) • Camping Essentials Cards A/B/C • Camping Essentials Points Sheet • Camping Essentials Instructions Card • Tentominos Game Cards A/B (FSD? activity only)
Lesson 2	To multiply three numbers together	Children will explore the different ways in which three digits can be multiplied together by beginning with an interactive game. They will then discuss their strategies for working out each step of the calculations they made. Children will practise using the partitioning and recombining method to mentally multiply three single-digit numbers. In their independent activities, they will multiply three given digits together to find the product, or in the alternative activity, they need to find the three digits that multiply together to make a given product.	<ul style="list-style-type: none"> • Can children multiply three numbers together? • Do children understand that numbers can be multiplied in any order (commutative law)? • Can children use the distributive law to help them mentally multiply three numbers together? 	<ul style="list-style-type: none"> • Slides • Digit Cards (Teaching Input) • Calculators (Teaching Input) • Marshmallow Multiplication Sheet 3A/3B/3C • Marshmallow Stick Strips • How Old Are We? Challenge Cards (FSD? activity only) • Whiteboards or paper (optional)
Lesson 3	To recognise and use factor pairs	Children will find out what factor pairs are, and generate them for different given numbers. They will develop their knowledge and understanding of factor pairs by playing bingo, before applying it in their independent activities, where they will attempt to find as many factor pairs as possible for a given number within a time limit. In the alternative activity, children will decide whether statements concerning factor pairs are true or false, and provide evidence for their opinions.	<ul style="list-style-type: none"> • Do children understand what a factor is? • Do children understand what a factor pair is? • Can children generate and identify factor pairs of a given number? 	<ul style="list-style-type: none"> • Slides • Factor Pairs Bingo Cards (Teaching Input) • Camp Fire Factors Game Cards A/B • Instructions Cards • Recording Sheet • Stopwatches • True or False? Cards (FSD? activity only)
Lesson 4	To solve scaling problems using multiplication and division	In this lesson, children will learn how to use their multiplication and division knowledge in order to solve problems which involve scaling up and scaling down. They will look at a range of different problems as a class before moving on to their independent work, where they will apply this understanding to solve clues to identify the winner of a scavenger hunt. In the alternative activity, children will determine the different amounts of items in picnic baskets according to the size of the group of people.	<ul style="list-style-type: none"> • Do children know how to scale up using their multiplication skills? • Do children know how to scale down using their division skills? • Can children explain how they solved a problem? 	<ul style="list-style-type: none"> • Slides • Worksheet 4A/4B/4C • Scavenger Hunt Clue Cards A/B/C • Picnic Basket Contents Cards (FSD? activity only) • Picnic Basket Order Strips (FSD? activity only)
Lesson 5	To solve correspondence problems using multiplication and division skills	Children will learn how to solve correspondence problems using their knowledge of multiplication and division. As a class, they will discuss and solve questions worded in a variety of different ways, before solving similar problems in their independent activities.	<ul style="list-style-type: none"> • Do children understand how to solve a correspondence problem? • Can children use their multiplication skills to solve a correspondence problem? • Can children use their division skills to solve a correspondence problem? 	<ul style="list-style-type: none"> • Slides • Worksheet 5A/5B/5C • Campsite Conundrum Cards (FSD? activity only)