

# Practising Multiplication and Division: Maths : Year 6 : Autumn Term

	Learning Objective	Overview	Assessment Questions	Resources
<b>Lesson 1</b>	To be able to choose an appropriate method to solve multiplication and division problems.	Children are challenged to use their knowledge of multiplication and division to solve missing number problems. They are encouraged to consider various methods and choose the most appropriate. They are also challenged to find the highest and lowest possible answers by rearranging digits in multiplication and division statements.	<ul style="list-style-type: none"> <li>• Can children use their understanding of multiplication tables to solve problems?</li> <li>• Can children use a variety of appropriate methods to solve multiplication and division problems?</li> <li>• Can children use reasoning and estimating to help them solve problems?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Challenge Cards 1A/1B/1C</li> <li>• Worksheet 1A</li> <li>• Calculation Cards 1A/1B</li> </ul>
<b>Lesson 2</b>	To be able to use the formal written method of long multiplication.	Children will recap the formal long multiplication method by going through some examples as a class. They are then challenged to use their multiplication knowledge to solve calculations where the numbers have been replaced with letters. Children will need to use the key, then deduce facts to solve each one.	<ul style="list-style-type: none"> <li>• Can children complete long multiplication calculations using the formal written method to multiply two two-digit numbers?</li> <li>• Can children complete long multiplication calculations using the formal written method to multiply a three-digit number by a two-digit number?</li> <li>• Can children use their understanding of the long multiplication method to solve problems?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Challenge Cards 2A/2B/2C</li> <li>• Worksheet 2A/2B/2C (FSD? activity only)</li> </ul>
<b>Lesson 3</b>	To be able to use short division to divide numbers by one- and two-digit numbers.	Children will recap the short division method, then extend to looking at how to divide three- and four-digit numbers by two-digit numbers. They can then either practise the short division method by solving a crossword puzzle or work out the years of important historical events by solving division problems.	<ul style="list-style-type: none"> <li>• Can children use short division to divide three-digit numbers by a single digit?</li> <li>• Can children use short division to divide numbers four-digit numbers by a single digit?</li> <li>• Can children use short division to divide three-digit numbers by a two-digit number?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 3A/3B/3C</li> <li>• Historical Event Cards (FSD? activity only)</li> <li>• Fact Hunt Sheet 3A/3B (FSD? activity only)</li> </ul>
<b>Lesson 4</b>	To be able to multiply increasingly large numbers by 11.	Children will explore the 11 times table beyond 11x12 to see if they can identify any patterns. They are then shown a handy trick that will allow them to multiply increasingly large numbers by 11. There are a variety of fun activities to consolidate this.	<ul style="list-style-type: none"> <li>• Can children identify patterns?</li> <li>• Can children identify and use the strategy for multiplying by 11?</li> <li>• Can children check their answers using an appropriate method?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Question Cards 4A/4B/4C</li> <li>• Time Tests (FSD? activity only)</li> <li>• Challenge Card (FSD? activity only)</li> </ul>
<b>Lesson 5</b>	To be able to solve problems involving multiplication and division.	Children are challenged to use multiplication and division to solve problems relating to distances between fictional planets. They are encouraged to think about which methods would be best to solve a variety of problems, including two-step problems, and consider how they can check their work for accuracy.	<ul style="list-style-type: none"> <li>• Can children identify what a word problem is asking them to do?</li> <li>• Can children choose an appropriate method to solve word problems?</li> <li>• Can children check their answers for accuracy?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 5A/5B/5C</li> <li>• Clue Cards 5A/5B/5C</li> <li>• Planet Distance Chart sheet (FSD? activity only)</li> <li>• True or False Cards 5A/5B (FSD? activity only)</li> </ul>