


All Saints Multi Academy Trust, Birmingham  
**Home Learning**

<p style="text-align: center;"><b>Year 3 Maths Week 7</b></p> <p style="text-align: center;"><b>Deriving multiplication and division facts</b></p> <p>45 – 60 minutes daily</p> <p><a href="https://classroom.thenational.academy/units/deriving-multiplication-and-division-facts-1216">https://classroom.thenational.academy/units/deriving-multiplication-and-division-facts-1216</a></p> <p>All maths work should be completed in their pupil work book or a piece of paper. Worksheets are numbered by day and are available online or for collection from the school office. Work can be photographed and emailed for weekly feedback.</p> 		Monday	Tuesday	Wednesday	Thursday	Friday
		<b>Learning Objective</b>	<p><b>Lesson 6</b></p> <p><u>LO: To explore division strategies</u></p>	<p><b>Lesson 7</b></p> <p><u>LO: To derive new facts from multiplication facts</u></p>	<p><b>Lesson 8</b></p> <p><u>LO: To use arrays to multiply a 2-digit number by a 1-digit number</u></p>	<p><b>Lesson 9</b></p> <p><u>LO: To use Dienes to multiply a 2-digit number by a 1-digit number</u></p>
<b>Lesson Link</b>	<p><a href="https://classroom.thenational.academy/lessons/exploring-division-strategies-c8tk4c">https://classroom.thenational.academy/lessons/exploring-division-strategies-c8tk4c</a></p>	<p><a href="https://classroom.thenational.academy/lessons/deriving-new-facts-from-multiplication-facts-64w68c">https://classroom.thenational.academy/lessons/deriving-new-facts-from-multiplication-facts-64w68c</a></p>	<p><a href="https://classroom.thenational.academy/lessons/using-arrays-to-multiply-a-2-digit-number-by-a-1-digit-number-cctk4c">https://classroom.thenational.academy/lessons/using-arrays-to-multiply-a-2-digit-number-by-a-1-digit-number-cctk4c</a></p>	<p><a href="https://classroom.thenational.academy/lessons/using-dienes-to-multiply-a-2-digit-number-by-a-1-digit-number-c5hk6c">https://classroom.thenational.academy/lessons/using-dienes-to-multiply-a-2-digit-number-by-a-1-digit-number-c5hk6c</a></p>	<p><a href="https://classroom.thenational.academy/lessons/exploring-commutativity-in-multiplication-68tp6r">https://classroom.thenational.academy/lessons/exploring-commutativity-in-multiplication-68tp6r</a></p>	
<b>Lesson outline</b>	<p>In this lesson you will explore division using two methods.</p>	<p>In this lesson you will learn to derive new facts from known facts.</p>	<p>In this lesson you will learn to multiply 2 digit numbers by 1 digit numbers using arrays.</p>	<p>In this lesson you will learn to multiply 2 digit numbers by 1 digit numbers using Dienes.</p>	<p>In this lesson you will explore the commutative law in multiplication.</p>	
<b>Extra Notes</b>	<p>Complete the Intro Quiz.</p> <p>Think about how you will be able to use previous knowledge of place value to help with division. Look at the patterns. What happens with the zero? Draw a place value chart to help you.</p> <p>Complete the exit quiz.</p>	<p>Complete the Intro Quiz.</p> <p>Think about 'If I know... then I know...' to help you complete the six possible facts. Make sure you repeat key vocabulary when thinking about new facts.</p> <p>Complete the exit quiz.</p>	<p>Complete the Intro Quiz.</p> <p>Make calculations easy by partitioning your numbers in to tens and ones. Draw arrays to help you with the working out.</p> <p>Complete the exit quiz.</p>	<p>Don't forget to complete the Intro Quiz!</p> <p>Say the key vocabulary aloud to familiarise yourself. Look at the example carefully to help you with the regrouping drawings. Draw Dienes to help you with your working out.</p> <p>Complete the exit quiz</p>	<p>Complete the Intro Quiz</p> <p>Complete the arithmagons carefully just like you were shown in the video. Use full sentences when looking at the statements.</p> <p>Complete the exit quiz</p>	

Week beginning Monday 22<sup>nd</sup> February 2021