


Learning Plan 4		Subject/Pwnc: Mathemateg		Year/Blwyddyn: 7	
<p><u>The Four Purposes in Maths and Numeracy:</u></p> <p>Ambitious, capable learners who: set themselves high standards; seek and enjoy challenge; are increasingly knowledgeable and skilful; are questioning; enjoy solving problems; can communicate effectively; can explain the ideas and concepts; can use number effectively; understand how to interpret data and apply mathematical concepts</p> <p>Enterprising, creative contributors who: connect and apply their knowledge and skills to create ideas; think creatively to reframe and solve problems; identify and grasp opportunities; take measured risks</p> <p>Ethical, informed citizens</p> <p>Healthy, confident individuals who: face and overcome challenge; have the skills and knowledge to manage everyday life</p>					
<p>Knowledge focus/what matters:</p> <p>Division: <i>The number system is used to represent and compare relationships between numbers and quantities.</i></p>					
Learning objective/key question	What will I know and be able to do? I can...	How will I develop my skills? (Success Criteria)		Homework/Gwaith cartref to support progress	
<p>Week 1:</p> <p>Assessment and feedback</p>	<p>Assessment: Understand and use addition, subtraction and multiplication</p>	<p>I can apply my understanding of addition, subtraction and multiplication to solve problems in real-world contexts</p> <p>I can give reasons for my answers and explain my thinking clearly</p> <p>I can apply my understanding of addition, subtraction and multiplication to accurately calculate, showing my working out in a clear, mathematically correct format</p>		<p>Wk 1-2</p>	<p>Mathswatch homework</p> <p>Set:</p> <p>Due:</p>
<p>Weeks 2 – 5:</p> <p>When, how and why do we divide?</p>	<ul style="list-style-type: none"> divide numbers mentally and using written methods apply division to solve problems in other areas of maths (statistics, geometry, algebra) apply knowledge of multiplication to work out division calculate with the method of short division, when the answer is not an integer, giving the answer as a decimal or as a mixed number continue sequences and find the term to term rule 	<p>Understanding: I can explain how division connects to ideas like scaling, grouping, average, units and area. I can use patterns and structure to understand how numbers behave.</p> <p>Communicating & Skills: I can organise written methods clearly and use correct mathematical language. I can use diagrams or digital tools to support my explanations.</p>		<p>Wk 3-4</p>	<p>Mathswatch homework</p> <p>Set:</p> <p>Due:</p>

	<ul style="list-style-type: none"> • solve linear equations in one variable, by multiplying or dividing • convert between units of measure using both multiplication and division e.g. time, length, area, volume/capacity, mass • find the mean of a set of data without a calculator • find simple fractions of amounts by dividing 	<p>Fluency: I can apply multiplication/division facts and methods accurately and efficiently. I can use place-value knowledge to work confidently with larger or more complex numbers.</p> <p>Reasoning: I can justify my methods and explain why an answer is reasonable. I can use known facts to work out unfamiliar calculations logically.</p> <p>Problem Solving: I can model situations using division in different forms. I can connect division ideas to other areas of maths when solving problems.</p>	Wk 5	<p>Mathswatch homework</p> <p>Set:</p> <p>Due:</p>
	SYL: Understand and use division appropriately and effectively	Success criteria as above, and to be shared by class teacher.		