

Topics in this cycle:	Taught: Spring 1	Year Group: 7
Key knowledge/concepts to be learnt ('Tell me about...')		Websites/blogs/YouTube links and further reading to deepen and consolidate learning
<p>Solving problems with addition and subtraction:</p> <ul style="list-style-type: none"> • Mental addition and subtraction • Written methods for addition/subtraction of integers/decimals • Solve perimeter/money problems • Frequency Trees • Solving problems from Tables/Timetables/Bars/Charts <p>Solving problems with multiplication and division/Fractions and percentages of amounts:</p> <ul style="list-style-type: none"> • Factors and multiples • Multiply/divide by powers of 10 (then 0.1 and 0.01) • Convert metric units • Multiply integers/decimals • Divide integers/decimals • BIDMAS • Solve area problems (rectangles/parallelograms) • Solve area problems (triangles/trapezia) • Find fraction/percentage of amounts 		<p> https://vimeo.com/490892938 https://vimeo.com/491672240 https://vimeo.com/491672453 </p> <p> https://vimeo.com/461311096 https://vimeo.com/499607473 https://vimeo.com/499608079 https://vimeo.com/490690764 https://vimeo.com/490691239 https://vimeo.com/465421787 </p>

Key Vocabulary and Definitions To Be Learnt		What Will The Assessment Look Like?
Equivalence	The same in value	
Inverse operation	Inverse of addition is subtraction; inverse of division is multiplication...	
Difference	To find the difference between amount, you use subtraction	
Equation	A mathematical statement with '=' sign	
Mental methods	Ways of calculating in your head	
Profit	A positive difference between a final and an original amount	
		Family Learning Opportunities
		<p>Support your child at completing their homework and to boost SparxMaths XP level.</p> <p>Solving problems with addition and subtraction:</p> <ul style="list-style-type: none"> Add and subtract numbers in standard form Why do you not add/subtract the powers when adding/subtracting numbers in standard form? Explain the difference between 10^{-3} and 10^3 <p>More: Let's look at solving problems from tables and charts: https://vimeo.com/491672436</p> <p>Can you solve area problems? https://vimeo.com/503502978</p>