

Driver: Geography

Main learning Challenge: Where in the world have you been?

	<b>Week 1</b> Number and place value Pre-Learn	<b>Week 2</b> Number and place value Calculations	<b>Week 3</b> Conversions/Di stances Time/Time Zones	<b>Week 4</b> Area and Perimeter	<b>Week 5</b> FDP	<b>Week 6</b> FDP	<b>Week 7</b> Adding and subtracting fractions	<b>Week 8</b> Multiplication
<b>Maths Learning Challenge</b>	<p><b>Y5</b> Can you round any number to the nearest 10/100/1000 ? Can you order and compare decimals?</p>	<p><b>Y5</b> - Can you use formal methods of addition and subtraction?  <b>Y6</b> - Can you solve addition and subtraction multi-step problems?  Can you add and subtract fractions with different denominators?</p>	<p><b>Y5</b> - Can you convert between units of measure?  <b>Y6</b> - Can you convert between standard units to 3 d.p.? Can you convert between miles and km?</p>	<p><b>Y5</b> - Can you calculate and compare the area of rectangles?  <b>Y6</b> - Can you recognise that shapes with the same area can have different perimeters?</p>	<p><b>Y5</b> - Can you recognise and use %? Can you write % as a fraction?  <b>Y6</b> - Can you recall and use equivalence between fdp?</p>	<p><b>Y5</b> - Can you recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents? Can you recognise equivalent fractions?  <b>Y6</b> - Can you compare and order fractions?</p>	<p><b>Y5</b> - Can you compare and order fractions whose denominators are multiples of the same number?  <b>Y6</b> - Can you add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions?</p>	<p><b>Y5</b> - Can you multiply numbers up to 4 digits by a one-digit number using a formal written method?  <b>Y6</b> - Can you multiply multi-digit numbers up to 4 digits by a two-digit whole number using a formal written method? Can you multiply 1 digit numbers with up to 2 decimal places by whole numbers?</p>
<b>Basic Skills Focus</b>	3,4,5 x times tables	Y5 - 6 x tables Y6 - up to 6x tables	Y5 - 7 x tables Y6 - Up to 7x tables	Y5 - 8x tables Y6 - 8x tables	Y5 - 9x tables Y6 - 8/9 x tables	Y5 - 8,9 x tables Y6 - 6,7,8,9 x tables	11, 12 x tables	All tables

<b>Number</b>	Rounding Ordering decimals  Roman numerals	Y5 - Can you order and compare decimals? Can you add and subtract mentally Y6 - Can you add and subtract mentally?  Read, write and order numbers up to 10,000	x/ by 10/100/1000 Place value Comparing and ordering decimals	mental addition Square numbers Prime numbers	X/ by 100 HCF LCM Equivalence	X/ by 100 Ordering numbers including decimals HCF LCM Equivalence	X/ by 100 HCF LCM Equivalence	Mental multiplication Use of inverse X by 10/100/1000
<b>Calculation</b>	Pre-learn	Addition and subtraction	Y5 - Can you x/ whole numbers by 10, 100 and 1000? Y6 - Can you x/ numbers by 10, 100, 1000?	Y5 - Can you multiply by a 1 digit number? Y6 - Can you multiply by a 2 digit number?	Recognise % Convert between FDP	Ordering numbers including FDP	Methods for converting denominators	Multiplication methods Y6 - including decimals
<b>Shape and Measure</b>		Time differences Measure distances on map		Scaling on maps		Capacity		Currency/money
<b>Problem solving</b>		Y6 - Word problems Y5 - Multistep word problems	Y6 - Who has travelled the furthest? Prove it. Y5 - Multistep problems	Odd one out and why. Which shapes have same/different area and perimeter?	Y6 - Focus p53-56 Y5 - Focus p59-62	Y6 - Focus p47-50 Y5 - Focus p59-62	Y6 - problem solving	Multi step word problems
<b>Generalising/ Reasoning</b>		Y6 - How to guide for adding and subtracting fractions Y5 - What's gone wrong? Correcting mistakes	True or false? How do you know?  Differentiated statements for relevant skills.	Create 'algorithm' for finding area and perimeter. Correct errors in lines of code	Always/sometimes/n ever statements	What's gone wrong? Correct mistakes, marking work and giving helpful feedback.	Write an instruction booklet to explain what % means and how to convert between fractions and %.	Y6 - What's gone wrong? Correct mistakes Y5 - How to guide for multiplication methods.
<b>Key Vocabulary</b>		Addition, plus, total, take away, subtraction, denominator, numerator, multiples, factors,	Distance, length, width, metre, km, cm, mm, capacity, volume, weight, height, kg, g, litres, ml, measure	Perimeter, length, width, area, space, distance, squared	Percentages, out of 100, denominator, multiples, factors, numerator, equivalence, decimal, fraction	Percentages, out of 100, denominator, multiples, factors, numerator, equivalence, decimal, fraction	Percentages, out of 100, denominator, multiples, factors, numerator, equivalence, decimal, fraction	Multiplication, place value, columns, place holder, times, lots of
<b>Wider</b>		Geography: Time/Distances/Travel Science: Measuring resistance		Geography: Scale on maps Science: Friction - using Newton Meters		Capacity - link to message in bottles		Details of country they have visited e.g.

<b>curriculum opportunities /links</b>								distance, currency, prices, population, etc.
<b>Pre teaching</b>	Review methods for addition and subtraction	Review methods of addition and subtraction	Review x/ by 10,100,1000	Understanding of vocabulary for area and perimeter	Converting basic FDP Understanding of %	Comparing and ordering numbers	Understanding of equivalent fractions	Review methods of multiplication