Number
Measurement
Geometry
Statistics
Algebra
Ratio and Proportion

Year 6

Autumn I: Pendarren

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
I	Number Place value	to 10 million				
	10,000,000 ar	order and compare numbers up to and determine the value of each digit and practical problems that involve the	 Numbers to 1,000,000 Numbers to 10,000,000 Read and write numbers to 10,000,000 	Base-10, place value counters, part-whole model, empty number line	Do, then explain Find out the populations in five countries. Order the populations starting with the largest. Explain how you ordered the countries and their populations. Do, then explain Show the value of the digit 6 in these numbers? 6787555 95467754 Explain how you know. The sum of the digits for a whole-number is 11. All the digits are different. What is the smallest that the number could be? What is the largest that the number could be? Example: the sum of the digits for 214 is 7 (2+1+4=7)	Arithmetic Practice
2	10,000,000 arSolve number aboveround any whaccuracy	order and compare numbers up to and determine the value of each digit and practical problems that involve the nole number to a required degree of numbers in context, and calculate ass 0	 Powers of 10 Number line to 10,000,000 Compare and order any integers Round any integer Negative numbers 	Base-10, place value counters, part-whole model, empty number line	True or false? When I count backwards in 50s from 10 I will say -200 What do you notice? Give an example of a six digit number which rounds to the same number when rounded to the nearest 10000 and 100000. Odd one out 4832 6400 8934 10000 14999 Your answer must involve rounding!	Arithmetic Practice

 solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. Identify common factors, common multiples and prime numbers Solve problems involving addition, subtraction, multiplication and division 	Add and subtract integers Common factors Common multiples Rules of divisibility Primes to 100	Place value grid, place value counters, column layout, empty number line, bar model Interval, multi-step, common factors, common multiples	Hard and easy questions Which questions are easy / hard? 213323 - 70 = 512893 + 37 = 8193.54 - 5.9 = Explain why you think the hard questions are hard? Prove it Which numbers cannot be the answer to 314×61? 19154 18214 18926 Explain how you know Approximate For each question, the answer has how many digits? 576 ÷ 6 = digit(s) 5880 ÷ 7 = digit(s) 2076 ÷ 3 = digit(s) 2076 ÷ 3 = digit(s) Convince me Three four digit numbers total 12435. What could they be? Convince me. Always, sometimes, never? Is it always, sometimes or never true that when you square an even number, the result is divisible by 4? Is it always, sometimes or never true that multiples of 7 are I more or I less than prime numbers? NRICH Mystery Matrix NRICH Factor Lines NRICH Factor-Multiple Chains NRICH Two Primes Make One Square NRICH Dicey Operations	Arithmet
Number Calculation: Multiplication and division				1
 multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication divide numbers up to 4 digits by a two-digit number 	 Multiply up to a 4-digit number by a 2-digit number Short division 	Base-10, Numicon Interval, multi-step,	I know so 32×13=416 32×15= 42×12=504	Arithmeti Practice
using the formal written method of short division	 Division using factors 	common factors, common multiples	45×12= 26×24=624	

	 where appropriate, interpreting remainders according to the context perform mental calculations, including with mixed operations and large numbers use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. 			36×24= Prove it Which numbers cannot be the answer to 314×61? 19154 18214 18926 Explain how you know Approximate For each question, the answer has how many digits? 576 ÷ 6 = digit(s) 5880 ÷ 7 = digit(s) 2076 ÷ 3 = digit(s) 920 ÷ 8 = digit(s) NRICH Dicey Operations	
5	 divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division solve problems involving addition, subtraction, multiplication and division perform mental calculations, including with mixed operations and large numbers 	Long division Solve problems involving addition, subtraction, multiplication and division	Base-10, Numicon Interval, multi-step, common factors, common multiples, long division	Practical 'The 4, 5 and 6 keys on my calculator are broken!' How can I use my calculator to work out: 1350÷15 = 624÷16 = Finding possibilities I divide a 4 digit number by 24. The ones digit of the answer is 3. What could my 4-digit number be? Have you found all the possibilities? How do you know?	Arithmetic Practice
6	identify common factors, common multiples and prime numbers	Common factors Common multiples Primes to 100 Square and cubed numbers	Cuisenaire, 100 square, base-10 Interval, multi-step, common factors, common multiples	Always, sometimes, never? Is it always, sometimes or never true that when you square an even number, the result is divisible by 4? Is it always, sometimes or never true that multiples of 7 are I more or I less than prime numbers? NRICH Mystery Matrix NRICH Factor Lines NRICH Factor-Multiple Chains NRICH Two Primes Make One Square	Arithmetic Practice
7	use knowledge of the order of operations to carry out calculations for the four operations	Order of operations Mental calculations Reason from known facts	-	Missing symbols Write the missing signs $(+ - x \div)$ in this number sentence: 6 12.3 = 61.9 1.9 What else do you know? If you know this: 86.7 + 13.3 = 100 what other facts do you know? Which is correct? Which of these number sentences is correct? $3 + 6 \times 2 = 15$ $6 \times 5 - 7 \times 4 = 92$ $8 \times 20 \div 4 \times 3 = 37$ NRICH Four Goodness Sake	Arithmetic Practice

Autumn 2: Our Island History

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
I	Number Fractions					
	Use common common multidenomination Compare and Add and subtra	factors to simplify fractions; use ples to express fractions in the same order fractions, including fractions > I act fractions with different and mixed numbers, using the concept ractions	 Equivalent fractions and simplifying Equivalent fractions on a number line Compare and order (denominator) 	Fraction wall, number line Simplify, degrees of accuracy	Which is larger 1 / 3 or 2 / 5? Explain how you know. Odd one out. Which is the odd one out in each of these collections of 4 fractions 3/4 9/12 26/36 18/24 4/20 1/5 6/25 6/30 Why? Always, sometimes, never true that: 20ths can be simplified to 8ths Halves can't be simplified Tenths can be simplified to fifths Fifteenths can be simplified to quarters? Use examples to prove your answers.	Arithmetic Practice
2	denominations of equivalent fr Add and subtra denominators of equivalent fr	act fractions with different and mixed numbers, using the concept ractions on factors, common multiples and	Compare and order (numerator) Add and subtract fractions Add and subtract any two fractions Add mixed numbers	Cuisenaire rods Simplify, degrees of accuracy	Ordering Sam put these fractions in order starting with the smallest. Are they in the correct order? Thirty-three fifths Twenty-three thirds Forty-five sevenths How do you know? Another and another Write down two fractions which have a difference of 1/2 and another, and another, Write down 2 fractions with a total of 3 4/5 and another, and another, Odd one out 1/3 + 1/8 1/2 + 3/4 3/5 + 3/10 3/4 + 5/12 Explain your answer. On Monday I ran I 2/3 km and on Tuesday I ran 2 2/5 km. How far did I run altogether on these two days?	Arithmetic Practice

3	 Use common factors to simplify fractions; use common multiples to express fractions in the same denomination Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions Identify common factors, common multiples and prime numbers Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Solve problems involving addition, subtraction, 	Subtract mixed numbers Multi-Step Problems	Cuisenaire rods Simplify, degrees of accuracy	Another and another Write down two fractions which have a difference of I 2/ and another, and another, On Wednesday I ran I 2/3 km and my sister ran 2 2/5 km. How much further did my sister run than I did? Another and another Write down two fractions which have a difference of I 2/ and another, and another, Another and another Write down 2 fractions with a total of 3 4/5 and another, and another,	Arithmetic Practice
4	 multiplication and division multiply simple pairs of proper fractions, writing the answer in its simplest form divide proper fractions by whole number Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams (Y5) Divide proper fractions by whole numbers 	 Multiply fractions by integers Multiply fractions by fractions Divide fractions by integers Divide any fraction by an integer 	Cuisenaire rods Simplify, degrees of accuracy	Continue the pattern 1/3 ÷ 2 = 1/6 1/6 ÷ 2 = 1/12 1/12 ÷ 2 = 1/24 What do you notice? 1/2 × 1/2 = 1/8 × 1/2 = 1/8 × 1/2 = What do you notice? Explaining Write a step-by-step guide to multiplying two fractions. Can you write one that covers all possible types of fractions? Now do the same for dividing any fraction by a whole number. Make sure it covers all possibilities.	Arithmetic Practice

5	 Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions Multiply simple pairs of proper fractions, writing the answer in its simplest form Divide proper fractions by whole numbers Solve problems involving addition, subtraction, multiplication and division Associate a fraction with division and calculate decimal fraction equivalents 	Mixed questions with fractions Fraction of an amount Fraction of an amount — Find a whole	Bar model Simplify, degrees of accuracy	What do you notice? 8/5 of 25 = 40 5/4 of 16 = 20 7/6 of 36 - 42 Can you write similar statements? Which question can be answered in more ways? Question A: $\frac{3}{3}$ of 24 = Question B: The answers are whole numbers. I know so $\frac{6}{8}$ of 480 = $\frac{3}{8}$ of 480 = 180 $\frac{3}{8}$ of 480 = 60 Extend: Add your own examples.	Arithmetic Practice
7	Measurement Conversion between units of measure				
	Solve problems involving calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places Convert between miles and kilometres	Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures	Ruler, metre stick, other measuring scales, bar model, number line mm3, km3, speed, mph, m/s, km/h	Top Tips Put these amounts in order starting with the largest. 100 cm3 1000000 mm3 1 m3 Explain your thinking What do you notice? 8 km = 5 miles 16km = miles 4 km = miles Fill in the missing number of miles. Write down some more facts connecting kilometres and miles Would you rather? On a long car journey, of say 200 miles (about 320 kilometres), you keep asking your parent how much further to go. Would you rather they answered in miles or kilometres? Give a reason for your answer.	Arithmetic practice

Spring I: The Body in Question

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
	Ratio					
ı	quantities where integer multiplic. solve problems in the solution of the sol	nvolving the relative sizes of two missing values can be found by using ation and division facts nvolving unequal sharing and grouping of fractions and multiples	Add or multiply? Use ratio language Introducing the ratio symbol Ratio and fractions Scale drawing	Counters, bar model, Cuisenaire relative size, scale factor proportion, ratio as a:b	True or false Last season, for every 3 goals that Dan scored, Anil scored 2 goals. For each statement, say if it is possible or impossible: In total, Dan and Anil scored 18 goals. Anil scored 10 goals. Dan scored 15 goals and Anil scored 6 goals. In total, Dan and Anil scored 35 goals. How Many Ways Ben has 3 times as many conkers as Holly. In total, Ben and Hol have less than 25 conkers. Holly has more than 3 conkers. How many conkers does Ben have? How many possible answers are there? NRICH Pumpkin Pie Problem NRICH Orange Drink	Arithmetic practice
3	factor is known solve problems if quantities where	nvolving similar shapes where the scale or can be found nvolving the relative sizes of two missing values can be found by using ation and division facts	 Using scale factors Similar shapes Ratio problems Proportion problems Recipes 	Counters, bar model, Cuisenaire relative size, scale factor proportion, ratio as a:b	Unpicking A recipe needs to include three times as much apple than peac The total weight of apples and peaches in a recipe is 700 grammes. How much apple do I need? NRICH Mixing Lemonade (online) NRICH Tray Bake	Arithmetic practice
4	Algebra					
	 express missing 	ulae scribe linear number sequences number problems algebraically nbers that satisfy an equation with two	 One step function machines Two Step function machines Form Expressions Substitution Formulae 	Bar model Symbol, letter, formula(e), sequence, algebraic(ally), equation, unknown, variable, constant, generalise	Write a formula for the 10th, 100th and nth terms of the sequences below. 4, 8, 12, 16 0.4, 0.8, 1.2, 1.6 Undoing The diagram below represents two rectangular fields that are next to each other Field A Field B	Arithmetic practice

				Field A is twice and are 7.6 met what is the peri Working forw If y stands for a	tres. If the imeter of t	perimete the entire	r of the smal shape conta	I field is 23m ining both fields?	
				, , , , , , , , , , , , , , , , , , , ,	y	Зу	3y + 1	1	
					25		<u> </u>	i	
							28	1	
				What is the larg was 163?	gest value	of y if the	greatest nur	nber in the table	
				NRICH Crypt NRICH Differ NRICH Holes	ent Dedu	uctions			
5	 find pairs of numbers that satisfy an equation with two unknowns enumerate possibilities of combination of variables 	 Form equations Solve one-step equations Solve two-step equations Find pairs of values Solve problems with two unknowns 	Bar model Symbol, letter, formula(e), sequence, algebraic(ally), equation, unknown, variable, constant, generalise	Do, then expl p and q each sta 150 greater tha Explain how you If 2a + b = 110 a b? Explain how you Can you create NRICH Price	and for wh n q. Work u did it. and a + 2b u did it. a similar p	cout the volume $0 = 130$, ca	values of p ar	· ·	Arithmetic practice
6	Number Decimals	1		-1					
	 identify the value of each digit in numbers given to three decimal places Solve problems which require answers to be rounded to specified degrees of accuracy Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why 	 Place value within I Place value – integers and decimals Round decimals Add and subtract decimals 	Base 10, Gattegno chart, place value counters	Working back What needs to What needs to One thousandth What do you Circle the two 0.9 0.09 0.99 0. What do you no	be added to be added to h of my mo notice? decimals wo	to 3.582 toney is 31	co give 5? p. How muc	h do I have? ue to each other.	Arithmetic practice
	 Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places 	• Multiply by 10, 100 and 1000	Base 10, Gattegno chart, place value counters	Prove it What goes in the 184 ÷ 12 = 1		box?			Arithmetic practice

 Multiply I-digit numbers with up to 2 decimal places by whole numbers Use written division methods in cases where the answer has up to 2 decimal places Solve problems involving addition, subtraction, multiplication and division 	 Divide by 10, 100 and 1000 Multiply decimals by integers Divide decimals by integers Multiply and divide decimals in context 	385 ÷ 18 = 212.5 332 ÷ 8 = 421.5 38 x7 = 178.6 Prove it Use a fact 12 x 1.1 = 13.2 Use this fact to work out 15.4 ÷ 1.1 = 27.5 ÷ 1.1 =	
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Spring 2: The Swinging 60s

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
	Fractions, D	ecimals and Percentages	·	,		•
I	 associate a fractifraction equivale recall and use eddecimals and percontexts Use common face 	ion with division and calculate decimal	 Decimals and Fraction Equivalents Fractions as division Understand percentages Fractions to percentages Equivalent FDP 	Fraction wall simplify degrees of accuracy	Give an example Of a fraction that is greater than 1.1 and less than 1.5. Now another example that no one will think of. Explain how you know. The state of the	Arithmetic practice
	WALT understand WALT understand WALT find fractio	al and fraction equivalents I fractions as division I percentages In percentage equivalents I lent fractions, decimals and percentages			Complete the table. Another and another Write a unit fraction which has a value of less than 0.5? and another, and another, Ordering Starting with the largest: 23%, 5/8, 3/5, 0.8 NRICH In the Money	
2	Compare and or Recall and use e decimals and percontexts WALT order fract WALT percentage	involving the calculation of percentages of the fractions, including fractions > I quivalences between simple fractions, orcentages, including in different dions, decimals and percentages of an amount multi step stages of missing numbers	Order FDP Percentage of an amount – one step Percentage of an amount – multi step Percentage missing numbers	Bar model simplify degrees of accuracy	What else do you know? 88% of a sum of money = £242. Make up some other statements. Write real life problems for your number sentences. Undoing I think of a number and then reduce it by 15%. The number I end up with is 306. What was my original number? In a sale where everything is reduced by 15% I paid the following prices for three items. £255, £850, £4.25 What was the original selling price? NRICH Would You Rather?	Arithmetic
	Measureme Area, perir	ent neter and volume (I)				

3	 Recognise that shapes with the same areas can have different perimeters and vice versa Recognise when it is possible to use formulae for are 	Shapes - same areaArea and perimeterArea of a triangle	Bar model, ruler	Testing conditions A square has the perimeter of 12 cm. When 4 squares are put together, the perimeter of the new shape can be calculated. For	Arithmetic practice
	and volume of shapes • Calculate the area of parallelograms and triangles	 Area of a triangle counting squares Area of a right angled triangle Area of any triangle 	km3	example: What arrangements will give the maximum perimeter? What would give the minimum? Always, sometimes, never	
4	 recognise when it is possible to use formulae for area and volume of shapes calculate the area of parallelograms and triangles calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres and cubic metres and extending to other units 	 Area of a parallelogram Volume - counting cubes Volume of a cuboid 	Bar model mm3 km3	A triangle's area is half the area of the rectangle that encloses it: Visualising Jess has 24 cubes which she builds to make a cuboid. Write the dimensions of cuboids that she could make. List all the possibilities. Drawing Draw a net for a cuboid that has a volume of 24 cm3 NRICH Cylinder Cutting	Arithmetic practice
5	Statistics				
	 interpret and construct pie charts and line graphs and use these to solve problems Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs (Year 4) illustrate and name parts of circles including radius, diameter and circumference and know that the diameter is twice the radius 	 Line graphs Dual bar charts Read and interpet pie charts Pie charts with percentages 	pie chart, mean, average data set	Is this true or false? Convince me. Make up your own 'true/false' statement about a pie chart. Drawing conclusions Noda — Noda — Amy	Arithmetic practice

				This graph shows the speeds of Nada and Amy in the race. Describe the difference between their races. Which cyclist do you think finished first - Nada or Amy? NRICH Graphing Number Patterns	
6	 interpret and construct pie charts and line graphs and use these to solve problems calculate and interpret the mean as an average 	Draw pie chartsThe mean	pie chart, mean, average data set	Missing information The mean score in six test papers in a spelling test of 20 questions is 15. Five of the scores were 13 12 17 18 16 What was the missing score? Create a questions Make up a set of five numbers with a mean of 2.7 NRICH Birdwatch NRICH Presenting the Project	Arithmetic practice

Summer I: The First Emperor

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
	netry erties of shape	2 (2)				
1	find unknown an regular polygons recognise angles straight line, or a angles find unknown an regular polygons recognise angles	gles in any triangles, quadrilaterals and where they meet at a point, are on a are vertically opposite, and find missing gles in any triangles, quadrilaterals and	 Measure and classify angles Calculate angles Vertically opposite angles Angles in a triangle 	Part-whole model, bar model -	Possibilities One angle at the point where the diagonals of a rectangle meet is 36 degrees. What could the other angles be? Convince me. NRICH Olympic Turns NRICH Triangles in Circles (easy, then hard!)	Arithmetic practice
2	regular polygons recognise angles straight line, or a angles find unknown an regular polygons recognise angles	where they meet at a point, are on a are vertically opposite, and find missing agles in any triangles, quadrilaterals and	 Angles in a triangle – special cases Angles in a triangle – missing angles Angles in a special quadrilaterals Angles in a regular polygons 	Part-whole model, bar model	Other possibilities If one angle of an isosceles triangle is 36 degrees, what could the triangle look like? Draw it. Are there other possibilities? Prove it How many angles do you need to know to work out the missing ones in: A square? A parallelogram? A trapezium? An equilateral triangle? An isosceles triangle? A scalene triangle? Any regular polygon? Any irregular polygon? NRICH Round a Hexagon	Arithmetic practice
3	recognise, descrincluding making WALT identify par WALT draw shape WALT draw nets	ets of a circle es accurately	 Circles Draw shapes accurately Draw nets of 3-D shapes 	Part-whole model, bar model	What's the same, what's different? The nets of a triangular prism and a square based pyramid. Visualising Jess has 24 cubes which she builds to make a cuboid. Write the dimensions of cuboids that she could make. List all the possibilities. Always, sometimes, never	Arithmetic practice

				Is it always, sometimes or never true that, in a polyhedron, the number of vertices plus the number of faces equals the number of edges? NRICH Making Cuboids NRICH Cut Nets NRICH Shape Draw NRICH Quadrilaterals NRICH Where Are They? NRICH Always, Sometimes or Never? Shape		
	ion and Direction		In	Two is a second	A	
4	 Describe positions on the full coordinate grid (all four quadrants) Draw and translate simple shapes on the coordinate plane, and reflect them in the axes WALT identify coordinates in the first quadrant WALT read and plot points in four quadrants WALT solve problems with coordinates WALT translate a shape WALT reflect a shape 	 The first Quadrant Read and plot points in four quadrants Solve problems with coordinates Translations Reflections 	Part-whole model, bar model	Working backwards Two triangles have the following co-ordinates: Triangle A: (3, 5) (7, 5) (4, 7) Triangle B: (3, 1) (7, 1) (4, 3) Describe the translation of triangle A to B and then from B to A.	Arithmetic practice	
5	Consolidation Revising identified areas of need					
6	SATs Week					
	Assessments					
7	Investigating Pentominoes			NRICH World of Tan 25 – Pentominoes NRICH Penta Play NRICH Penta Place	Arithmetic practice	
8	Investigating Tessellations			NRICH Tessellating Transformations NRICH Semi-regular Tessellations	Arithmetic practice	

Summer 2: What a Performance

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency		
I	Investigating Probability							
	WALT under	stand the language of probability be probabilities using fractions, decimals	-	Probability scale Probability, even chance, more/less likely certain, impossible	NRICH What do you Know about Probability (2) NRICH The Hair Colour Game NRICH Strange Dice NRICH Journey to School	Arithmetic practice		
2	WALT condu	ict simple probability experiments	-	Probability scale Probability, even chance, more/less likely certain, impossible	NRICH Interactive Spinners NRICH Which Spinners? NRICH Stop or Dare?	Arithmetic practice		
3	Investigating WRM Futures							
	multiplication • Solve proble and the use o	ems involving the calculation of percentages f percentages for comparison	 Exploring annual salaries – division + percentages Annual salary – division + percentages Exploring hourly rates –division, percentages, multiplication 	Cuisenaire, 100 square, Base-10, column layout Salary, gross pay, income tax, take- home pay, annual salary, deductions, shifts, hourly rate,		Arithmetic practice		
4	multiplication • Solve proble	ems involving addition, subtraction, and division ems involving the calculation of percentages of percentages for comparison	Budgeting for your bills- four operations Buying your dream home – ordering six-digit numbers, multiplicative reasoning, percentages and fractions	Cuisenaire, 100 square, Base-10, column layout Take-home pay, expenditure, housing, deposits, mortgages, repayments		Arithmetic practice		

5	Investigating WRM Futures				
	Recognise when it is possible to use formulae for area and volume of shapes Associate a fraction with division and calculate decimal fraction equivalents	Decorating your dream home - area and Perimeter	Cuisenaire, 100 square, Base-10, column layout		Arithmetic practice