Medium-term Plans



These medium-term plans give a complete at-a-glance overview of the structure of *Rising Stars Mathematics* for Year 6, which is a key resource we use at Heron Hill. We also use resources from other high-quality sources, including *White Rose* and *Ready to Progress* for curriculum prioritization to address gaps in learning as a result of the pandemic.

These medium-term plans give a complete at-a-glance overview of the structure of *Rising Stars Mathematics* for Year 6 detailing the order of teaching, key resources and a suggestion of what could be covered each week. The term 'week' is used flexibly. Depending on the class, coverage may take a little less or a little more than a week. If teachers are confident that children have mastered a concept, then it is acceptable to move on quickly, just as it is important to allow children to spend longer on a topic if necessary to ensure they have fully mastered it before moving on.

Throughout the medium-term plans, the 'And finally' review pages are included at the end of each unit. However, it can be appropriate to use these pages throughout the unit by running the tasks after the relevant concepts.

It is important to remember that the length of a half-term will vary. If the half-term is short, teachers can choose to move a unit into the next term. If a half-term is long, teachers can choose to move a unit back into the preceding term. It is best practice to avoid splitting units between two half-terms, unless the content in each concept is very distinct.

Autumn 1

Rising Stars Mathematics							National Curricu	ılum
Week	Veek Strand Weekly Textbook topics and Teacher's Guide Practice Interactives					Domain	Statement	
		summary	page numbers		Book	and videos		



1	Number Sense	Determine the place value of digits in numbers up to 10 000 000. Compare, order and round	1 Whole and part numbers, p.10–11 1a Place value, p.12–13 1b Comparing, ordering and rounding numbers, p.14–15	p.24–29 Homework: Place value in 6-digit numbers and Multiplying and dividing by 10 and 100, p.198, and Comparing and ordering numbers and Rounding	p.4–10	Animation: Currency Interactive: Place value Interactive: Coin Interactive: Money CPD: Number Sense -	Number - number and place value Number - fractions (including decimals and percentages) Measurement	 read, write, order and compare numbers up to 10 000 000 and determine the value of each digit round any whole number to a required degree of accuracy identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to 3 decimal places convert between miles and kilometres solve problems involving the calculation and conversion of
	Number	numbers.		p.199		Introduction, The Learning Journey, Key Ideas 1, Next Steps	Number	units of measure, using decimal notation up to 3 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 3 decimal places
2	Number Sense	Compare, order and simplify fractions.	1c Comparing, ordering and simplifying fractions, p.16–17	p.30–31 Homework: Comparing and ordering fractions and Simplifying fractions, p.200	p.11-14	Interactive: Fraction and decimal wall CPD: Number Sense - Key Ideas 2	Number - fractions (including decimals and percentages) Measurement	 compare and order fractions, including fractions >1 solve problems which require answers to be rounded to specified degrees of accuracy solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate
3	Number Sense	Recognise equivalences between fractions, decimals and percentages.	1d Equivalences, p.18–19 All change!, p.20–21 And finally, p.22–23	p.32–37 Homework: Colouring sections of a square and Equivalence, p.201	p.15–17	Interactive: Fraction and decimal wall CPD: Number Sense - Next Steps	Number - fractions (including decimals and percentages)	• identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to 3 decimal places



4	Additive Reasoning	Perform mental calculations involving 3- and 4-digit numbers.	2 Calculations and algebra, p.24–25 2a Calculating mentally with 3- and 4-digit numbers, p.26–27 Dicey operations!, p.32–33	p.38–41, p.46–47 Homework: Adding and subtracting with 4-digit numbers and Combining lengths, p.202	p.18–24	CPD: Additive Reasoning - Introduction, The Learning Journey, Key Ideas 1, Key Ideas 3, Next Steps	Number - addition, subtraction, multiplication and division Measurement	 perform mental calculations, including with mixed operations and large numbers solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate
5	Additive Reasoning	Use the order of operations.	2b Using the order of operations, p.28–29	p.42–43 Homework: Order of operations and Using all 4 operations in different ways, p.203	p.25–27		Number - addition, subtraction, multiplication and division Measurement	 use their knowledge of the order of operations to carry out calculations involving the 4 operations solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate
6	Additive Reasoning	Create simple algebraic formulae.	2c Using formulae, p.30–31 And finally, p.34–35	p.44–45, p.48–49 Homework: Comparing lengths and writing equations and Finding possible answers, p.204	p.28–30	CPD: Additive Reasoning - Key Ideas 2, Next Steps	Algebra	use simple formulae express missing number problems algebraically
				Rising Stars Matl	hematics H	alf-Termly Test Y	ear 6 Autumn 1	

Medium-term Plans



Autumn 2

Rising	Stars Mathemat	ics					National Curriculum		
Week	Strand	Weekly summary	Textbook topics and page numbers	Teacher's Guide	Practice Book	Interactives and videos	Domain	Statement	
7	Multiplicative Reasoning	Perform multiplication calculations using formal written methods. Perform mental calculations with large numbers.	3 Larger numbers, p.36–37 3a Using long multiplication, p.38–39 3b Calculating mentally with large numbers, p.40–41 Making products, p.46–47	p.50–55, p.60–61 Homework: Multiplication of 3-digit by 2-digit numbers and Cycling times – long multiplication, p.205, and Multiplication investigation and Multiplying 3- digit numbers by multiples of 10, p.206	p.31–38	CPD: Multiplicative Reasoning - Introduction, The Learning Journey, Key Ideas 1, Next Steps	Number - addition, subtraction, multiplication and division Measurement Statistics	 multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication perform mental calculations, including with mixed operations and large numbers solve problems involving addition, subtraction, multiplication and division solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate calculate and interpret the mean as an average 	
8	Multiplicative Reasoning	Multiply and divide up to 2 decimal places.	3c Multiply and divide up to 2 decimal places, p.42–43	p.56–57 Homework: Using place value when multiplying and dividing decimals and Finding the mean (average) using division, p.207	p.39-41	CPD: Multiplicative Reasoning - Introduction, Key Ideas 2	Number - fractions (including decimals and percentages) Measurement	 multiply one-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 the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate 	



9	Multiplicative Reasoning	Solve problems involving ratio and proportion.	3d Solving problems with ratio and proportion, p.44–45 And finally, p.48–49	p.58–59, p.62–63 Homework: Mystery numbers and Using ratio and proportion, p.208	p.42-44	CPD: Multiplicative Reasoning - Key Ideas 2, Next Steps	Number - addition, subtraction, multiplication and division Number - fractions (including decimals and percentages) Ratio and proportion	 perform mental calculations, including with mixed operations and large numbers solve problems involving addition, subtraction, multiplication and division use written division methods in cases where the answer has up to 2 decimal places solve problems involving the relative sizes of 2 quantities where missing values can be found by using integer multiplication and division facts solve problems involving similar shapes where the scale factor is known or can be found solve problems involving unequal sharing and grouping using knowledge of fractions and
10	Geometric Reasoning	Calculate area of triangles and parallelograms. Find missing angles.	4 2-D shapes, 3-D shapes and nets, p.50–51 4a Area and properties of 2-D shapes, p.52–53 Area and volume snakes and ladders, p.58–59 Game 1 4b Finding angles, p.54–55	p.64–69 Homework: Garden design and Triangular areas, p.209, and Exploring angles and Exterior and interior angles of a triangle, p.210	p.45–53	Interactive: 2-D shapes Interactive: Geometry instruments CPD: Geometric Reasoning - Introduction, Learning Journey, Key Ideas 1, Next Steps	Geometry - properties of shapes Measurement	 draw 2-D shapes using given dimensions and angles compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles recognise that shapes with the same areas can have different perimeters and vice versa calculate the area of parallelograms and triangles



11	Geometric	Describe 3-D	4c Describing 3-D	p.70–75	p.54–57	Interactive:	Geometry -	• recognise, describe and build simple 3-D shapes,
	Reasoning	shapes	shapes and	Homework:		3-D shapes	properties of shapes	including making nets
		and make nets.	making nets,	Stacking cubes		CPD:	Measurement	recognise when it is possible to use the formulae
			p.56–57	into a cuboid		Geometric		for area and volume of shapes
			Area and volume	shape and Nets		Reasoning -		
			snakes and	of cuboids, p.211		Key Ideas 2,		
			ladders, p.58–59			Next Steps		
			Game 2					
			And finally,					
			p.60-61					
12	Number	Use negative	5 Numbers in	p.76–85	p.58–63	Interactive:	Number - number	use negative numbers in context, and calculate
	Sense	numbers and	everyday life,	Homework:		Place value	and place value	intervals across 0
		decimals in	p.62–63	Exploring		CPD: Number		solve number and practical problems that involve
		real-life	5a Negative	coordinates and		Sense - Key		all of the above
		contexts.	numbers in real	Bank balances		Ideas 1, Next	Number - fractions	identify the value of each digit in numbers given
			<i>life,</i> p.64–65	and negative		Steps	(including decimals	to 3 decimal places and multiply and divide
			Different types of	numbers, p.212,			and percentages)	numbers by 10, 100 and 1000 given answers up to
			number, p.68–69	and <i>Converting</i>				3 decimal places
			Game 2	measurements			Measurement	solve problems involving the calculation and
			5b Decimals in	and <i>Measuring</i>				conversion of units of measure, using decimal
			context, p.66–67	time, p.213				notation up to 3 decimal places where appropriate
			Different types of				Statistics	interpret and construct pie charts and line graphs
			number, p.68–69					and use these to solve problems
			Game 1					
			And finally,					
			p.70-71					
				Rising Stars Mathe	matics Hal	f-Termly Test Year	6 Autumn 2	



Spring 1

Rising	Stars Mathem	natics					National Curriculum	National Curriculum		
Week	Strand	Weekly	Textbook topics	Teacher's	Practice	Interactives	Domain	Statement		
		summary	and page numbers	Guide	Book	and videos				
17	Additive	Perform	6 Solving problems,	p.86–91	p.64-71	Animation:	Number - addition,	 perform mental calculations, including with mixed 		
	Reasoning	mental	p.72–73	Homework:		Currency	subtraction,	operations and large numbers		
		calculations to	6a Calculating	Negative		Interactive:	multiplication and	• solve addition and subtraction multi-step problems		
		solve	mentally to solve	numbers,		Coin	division	in contexts, deciding which operations and methods to		
		problems.	problems, p.74–75	bridging zero		Interactive:		use and why		
			6b Solving multi-	and World		Money		solve problems involving addition and subtraction		
		Solve multi-	step problems,	temperatures,		CPD: Additive		• use estimation to check answers to calculations and		
		step problems	p.76–77	p.214, and		Reasoning -		determine, in the context of a problem, an		
		and round		Money box		Key Ideas 1,		appropriate degree of accuracy		
		numbers to		totals and Meal		Key Ideas 3,	Measurement	solve problems involving the calculation and		
		solve		planning, p.215		Next Steps		conversion of units of measure, using decimal notation		
		problems.						up to 3 decimal places where appropriate		
							Statistics	• interpret and construct pie charts and line graphs		
								and use these to solve problems		
19	Additive	Solve multi-	6c Rounding to	p.92–99	p.72-79	Animation:	Number - addition,	solve addition and subtraction multi-step problems		
	Reasoning	step problems	solve problems,	Homework:		Currency	subtraction,	in contexts, deciding which operations and methods to		
		and round	p.78–79	Fast times and		Interactive:	multiplication and	use and why		
		numbers to	6d <i>Describing</i>	Multiplying and		Coin	division	solve problems involving addition and subtraction		
		solve	number sequences,	rounding		Interactive:		• use estimation to check answers to calculations and		
		problems.	p.80–81	decimals,		Money		determine, in the context of a problem, an		
		_	Formula won!,	p.216, and		CPD: Additive		appropriate degree of accuracy		
		Describe	p.82–83	Using a		Reasoning -	Measurement	solve problems involving the calculation and		
		number	And finally,	formula and		Key Ideas 2,		conversion of units of measure, using decimal		
		sequences	p.84–85	Describing		Key Ideas 3,		notation to 3 decimal places where appropriate		
		using		patterns, p.217		Next Steps	Algebra	use simple formulae		
		algebraic						generate and describe linear number sequences		
		formulae.								



21	Number Sense	Compare, order, add and subtract fractions.	7 Let's explore fractions and algebra!, p.86–87 7a Fraction equivalences, p.88–89	p.100–103 Homework: Creating and converting fractions and Adding and subtracting fractions, p.218	p.80-84	Interactive: Fraction and decimal wall CPD: Number Sense - Key Ideas 1, Key Ideas 2, Next Steps	Number - fractions (including decimals and percentages) Measurement	 use common factors to simplify fractions; use common multiples to express fractions in the same denomination compare and order fractions, including fractions >1 add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions solve problems involving the calculation and conversion of units of measure, using decimal notation to 3 decimal places where appropriate
22	Number Sense	Determine fraction, decimal and percentage equivalences.	7b Fraction, decimal and percentage equivalences, p.90–91	p.104–105 Homework: Converting fractions, decimals and percentages and Finding fractions, decimals and percentages of amounts, p.219	p.85–87	Interactive: Fraction and decimal wall	Number - fractions (including decimals and percentages) Measurement	 associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 3/8] recall and use equivalences between simple fractions, decimals and percentages, including in different contexts solve problems involving the calculation and conversion of units of measure, using decimal notation to 3 decimal places where appropriate
23	Number Sense	Create algebraic formulae.	7c Formulae, p.92–93	p.106–107 Homework: Making rectangles and using formulae and Perimeter and area formulae and patterns, p.220	p.88-93	CPD: Number Sense - Key Ideas 3	Algebra Measurement	 use simple formulae generate and describe linear number sequences express missing number problems algebraically recognise when it is possible to use formulae for area and volume of shapes calculate the area of parallelograms and triangles

Medium-term Plans



24	Number	Use algebra to	7d Missing number	p.108-113	p.94–96	CPD: Number	Algebra	use simple formulae			
	Sense	describe	statements,	Homework:		Sense - Next		generate and describe linear number sequences			
		missing	p.94–95	Algebra puzzle		Steps		express missing number problems algebraically			
		number	Unknown numbers,	and <i>Finding</i>			Measurement	solve problems involving the calculation and			
		statements.	p.96–97	unknown				conversion of units of measure, using decimal			
			And finally,	values using				notation to 3 decimal places where appropriate			
			p.98–99	balancing,							
				p.221							
	Rising Stars Mathematics Half-Termly Test Year 6 Spring 1										

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Medium-term Plans



Spring 2

Rising	Stars Mathemat	ics					National Curriculum		
Week	Strand	Weekly summary	Textbook topics and page numbers	Teacher's Guide	Practice Book	Interactives and videos	Domain	Statement	
25	Multiplicative Reasoning	Identify common factors, multiples and prime numbers.	8 Using what you know, p.100–101 8a Identifying common factors, multiples and prime numbers, p.102–103 Challenging numbers, p.110–111	p.114–117, p.124–125 Homework: Prime factors and Common multiples, p.222	p.97–99	CPD: Multiplicative Reasoning - Key Ideas 3	Number - addition, subtraction, multiplication and division Measurement Statistics	 identify common factors, common multiples and prime numbers solve problems involving addition, subtraction, multiplication and division solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate interpret and construct pie charts and line graphs and use these to solve problems 	
26	Multiplicative Reasoning	Multiply and divide decimal numbers.	8b Multiplying and dividing decimal numbers, p.104–105	p.118–119 Homework: Running times and Multiplying decimals, p.223	p.100-103	Animation: Multiplying by decimals Interactive: Coin Interactive: Money CPD: Multiplicative Reasoning - Key Ideas 2	Number - fractions (including decimals and percentages) Ratio and proportion Measurement Statistics	 multiply one-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 the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate interpret and construct pie charts and line graphs and use these to solve problems 	



27	Multiplicative Reasoning	Solve problems involving percentages. Solve algebraic equations.	8c Solving problems with percentages, p.106–107 Challenging numbers, p.110–111 8d Solving equations, p.108–109 And finally, p.112–113	p.120–127 Homework: Calculating percentages and Value Added Tax, p.224, and Arrangements of disco lights and Finding unknown values, p.225	p.104–109	Interactive: Coin Interactive: Money CPD: Number Sense - Key Ideas 3 Multiplicative Reasoning - Key Ideas 3, Next Steps	Number - fractions (including decimals and percentages) Ratio and proportion Measurement Statistics Algebra	 multiply one-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 the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate interpret and construct pie charts and line graphs and use these to solve problems use simple formulae find pairs of numbers that satisfy an equation with two unknowns enumerate possibilities of combinations of 2
29	Geometric Reasoning	Investigate parts of circles and find missing angles and lengths in shapes.	9 Shapes and coordinates, p.114–115 9a Circles and scaling, p.116–117	p.128–131 Homework: Circles and Enlarging triangles, p.226	p.110-112	Animation: Drawing circles Interactive: 2-D shapes Interactive: Geometry instruments CPD: Geometric Reasoning - Key Ideas 1, Key Ideas 2	Geometry - properties of shapes	 variables compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius



30	Geometric Reasoning	Investigate parts of circles and find missing angles and lengths in shapes.	9b Finding missing values, p.118–119	p.132–133 Homework: Making and measuring angles and Shapes inside shapes, p.227	p.113–117	Animation: Drawing circles Interactive: 2-D shapes Interactive: Geometry	Geometry - properties of shapes	 compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
						instruments	Measurement	• calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³) and extending to other units [for example mm³ and km³]
31	Geometric Reasoning	Translate shapes on coordinate grids, across all four quadrants.	9c Translation over four quadrants, p.120–121 Get coordinated!, p.122–123 And finally, p.124–125	p.134–139 Homework: Matching grids and Translations, p.228	p.118–121	CPD: Geometric Reasoning - Key Ideas 2, Next Steps	Geometry - position and direction	 describe positions on the full coordinate grid (all 4 quadrants) draw and translate simple shapes on the coordinate plane, and reflect them in the axes
				Rising Stars N	lathematics Ha	alf-Termly Test Ye	ear 6 Spring 2	

Medium-term Plans



Summer 1

Rising	Stars Mather	natics					National Curriculum	
Week	Strand	Weekly summary	Textbook topics and page numbers	Teacher's Guide	Practice Book	Interactives and videos	Domain	Statement
32	Number Sense	Investigate algebraic formulae with two unknown variables.	10 Focus on algebra, p.126–127 10a Unknowns and variables, p.128–129 Think algebra!, p.132–133 Game 2	p.140–143, p.146–147 Homework: Working out unknowns and Variables, p.229	p.122-123	Animation: Currency Interactive: Coin Interactive: Money CPD: Number Sense - Key Ideas 3, Next Steps	Algebra Measurement Statistics	 use simple formulae 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 up to 3 decimal places interpret and construct pie charts and line graphs and use these to solve problems
33	Number Sense	Describe linear relationships between variables, using formulae.	10b Linear number sequences, p.130–131 Think algebra!, p.132–133 Game 1 And finally, p.134–135	p.144–149 Homework: Number sequences and Handshakes, p.230	p.124–126	CPD: Number Sense - Next Steps	Algebra	 use simple formulae generate and describe linear number sequences interpret and construct pie charts and line graphs and use these to solve problems
34	Additive Reasoning	Solve multi- step problems.	11 Solving more problems, p.136–137 11a Solving multi- step problems, p.138–139	p.150–153 Homework: Using bar model diagrams and 24 hours in 1 day, p.231	p.127–128	CPD: Additive Reasoning - Key Ideas 3	Number - addition, subtraction, multiplication and division Measurement	 solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why 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 up to 3 decimal places



35	Additive	Solve	11b Solving	p.154–161	p.129-135	Interactive:	Fractions (including	add and subtract fractions with different
	Reasoning	problems	problems involving	Homework:		Fraction and	decimal and	denominators and mixed numbers, using the
		involving	fractions,	Fraction flag		decimal wall	percentages)	concept of equivalent fractions
		fractions.	p.140-141	and Midpoint		CPD: Additive	Algebra	use simple formulae
			Fraction frenzy!,	between 2		Reasoning - Key		 find pairs of numbers that satisfy an equation
		Find possible	p.144-145	fractions,		Ideas 2, Key		with 2 unknowns
		solutions for	11c Finding possible	p.232, and		Ideas 3, Next		
		algebraic	solutions for	Function		Steps		
		equations.	equations,	machines and				
			p.142-143	Formulae for				
			And finally,	lines on				
			p.146-147	graphs, p.233				
37	Number	Determine	12 Fractions,	p.162-165,	p.136-141	Interactive:	Number - fractions	 use common factors to simplify fractions; use
	Sense	equivalent	equivalents and	p.170-171		Fraction and	(including decimals	common multiples to express fractions in the
		fractions.	algebra, p.148–149	Homework:		decimal wall	and percentages)	same denomination
			12a Equivalences,	Fraction story		CPD: Number		associate a fraction with division and calculate
			p.150-151	and		Sense - Key Ideas		decimal fraction equivalents [for example, 0.375]
			Odd and even four	Fractions and		2		for a simple fraction [for example, 3/8]
			in a row, p.156–157	percentages				 recall and use equivalences between simple
			Game 2	shown on a pie chart, p.234				fractions, decimals and percentages, including in different contexts
				,,,,			Measurement	 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 up to 3 decimal places
							Statistics	interpret and construct pie charts and line
								graphs and use these to solve problems

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38	Number	Create	12b Formulae and	p.166-173	p.142-149	Animation:	Algebra	use simple formulae		
	Sense	algebraic	sequences,	Homework:		Currency		generate and describe linear number		
		formulae	p.152-153	Area of the		Interactive: Coin		sequences		
		from number	Odd and even four	garden and		Interactive:		express missing number problems algebraically		
		sequences.	in a row, p.156–157	Continuing		Money		find pairs of numbers that satisfy an equation		
			Game 1	sequences,		CPD: Number		with 2 unknowns		
		Express	12c Unknowns,	p.235, and		Sense - Key Ideas				
		missing	p.154-155	Calculating		3, Next Steps				
		number	Odd and even four	unknown						
		problems and	in a row, p.156–157	values and						
		problems	Game 2	Making £1.70						
		with two	And finally,	in different						
		unknowns	p.158-159	ways, p.236						
		algebraically.								
	Rising Stars Mathematics Half-Termly Test Year 6 Summer 1									

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Medium-term Plans



Summer 2

Rising	ising Stars Mathematics							National Curriculum		
Week	Strand	Weekly summary	Textbook topics and page numbers	Teacher's Guide	Practice Book	Interactives and videos	Domain	Statement		
40	Multiplicative Reasoning	Divide 4- digit numbers using long division.	13 Fair shares, p.160–161 13a Using long division, p.162–163 Challenging times, p.168–169	p.174–177, p.182–183 Homework: Organising a school trip and Investigating remainder patterns, p.237	p.150–152	CPD: Multiplicative Reasoning - Key Ideas 2, Next Steps	Number - addition, subtraction, multiplication and division Measurement	 divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context 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 up to 3 decimal places 		
41	Multiplicative Reasoning	Choose appropriate operations to solve problems.	13b Choosing operations to solve problems, p.164– 165	p.178–179 Homework: Word problems and bar models and Holiday club, p.238	p.153-154	Animation: Currency Interactive: Coin Interactive: Money	Number - addition, subtraction, multiplication and division Measurement	 use their knowledge of the order of operations to carry out calculations involving the 4 operations solve problems involving addition, subtraction, multiplication and division divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context 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 up to 3 decimal places 		



42	Multiplicative Reasoning	Multiply and divide simple fractions.	13c Multiplying and dividing fractions, p.166–167 And finally, p.170–171	p.180–181, p.184–185 Homework: Multiplying fractions and Fraction puzzle, p.239	p.155–157	Interactive: Fraction and decimal wall CPD: Multiplicative Reasoning - Key Ideas 2, Next Steps	Number - fractions (including decimals and percentages) Measurement	 multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, 1/4 × 1/2 = 1/8] divide proper fractions by whole numbers [for example, 1/3 ÷ 2 = 1/6] 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 up to 3 decimal places
43	Geometric Reasoning	Make and measure 3-D shapes.	14 Nets, angles and coordinates, p.172–173 14a Making and measuring 3-D shapes, p.174–175 All about nets, p.180–181 Game 1	p.186–189, p.194–195 Homework: Possible nets for a square-based pyramid and Making cuboids with a given volume, p.240	p.158–162	Interactive: 3-D shapes CPD: Geometric Reasoning - Key Ideas 2, Next Steps	Geometry - properties of shapes	recognise, describe and build simple 3-D shapes, including making nets
44	Geometric Reasoning	Draw shapes and find angles.	14b Drawing shapes and finding angles, p.176–177 All about nets, p.180–181 Game 2	p.190–191, p.194–195 Homework: Triangle angles and Making 3-D shapes from nets, p.241	p.163-166	Interactive: 2-D shapes Interactive: Geometry instruments CPD: Geometric Reasoning - Key Ideas 1	Geometry - properties of shapes	 draw 2-D shapes using given dimensions and angles compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles



45	Geometric	Reflect	14c Reflections and	p.192-193,	p.167-172	CPD:	Geometry:	describe positions on the full coordinate grid (all 4)
	Reasoning	shapes in	equations,	p.196-197		Geometric	position,	quadrants)
		the axes of	p.178-179	Homework:		Reasoning -	direction, motion	draw and translate simple shapes on the coordinate
		coordinate	And finally,	Castle design		Key Ideas 2,		plane, and reflect them in the axes
		grids.	p.182-183	and Reflecting		Next Steps		
				shapes, p.242				
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