



Medium-term Plans

These medium-term plans give a complete at-a-glance overview of the structure of *Rising Stars Mathematics* for Year 4, 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 4 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 Curriculum	
Week	Strand	Weekly summary	Textbook topics and page numbers	Teacher’s Guide	Practice Book	Interactives and videos	Domain	Statement
1	Number Sense	Count in 3s, 6s and 9s and use negative numbers.	1 <i>Number and place value</i> , p.10–11 1a <i>Counting</i> , p.12–13 <i>Higher and higher</i> , p.16–17 Game 1	p.24–27, p.30–31 Homework: <i>Who reaches the end first?</i> and <i>Temperatures around the world</i> , p.182	p.4–7	Interactive: <i>Place value</i> CPD: <i>Number Sense - Introduction, The Learning Journey, Key Ideas 1, Key Ideas 3 and Next Steps</i>	Number - number and place value Measurement	<ul style="list-style-type: none"> • identify, represent and estimate numbers using different representations • count backwards through 0 to include negative numbers • estimate, compare and calculate different measures, including money in pounds and pence



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2	Number Sense	Represent place value in 4-digit numbers in a variety of ways.	1b <i>Place value</i> , p.14–15 <i>Higher and higher</i> , p.16–17 Game 2 <i>And finally ...</i> , p.18–19	p.28–33 Homework: <i>Measuring at home</i> and <i>Egyptian numbers</i> , p.183	p.8–12	Animation: <i>Comparing 4-digit numbers</i> Interactive: <i>Place value</i> CPD: <i>Number Sense - Key Ideas 1, Key Ideas 2, Key Ideas 3</i>	Number - number and place value Measurement	<ul style="list-style-type: none"> recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s) order and compare numbers beyond 1,000 identify, represent and estimate numbers using different representations estimate, compare and calculate different measures, including money in pounds and pence
3	Additive Reasoning	Add and subtract 4-digit numbers using mental and written methods.	2 <i>Addition and subtraction</i> , p.20–21 2a <i>Adding 4-digit numbers</i> , p.22–23 2b <i>Subtracting 4-digit numbers</i> , p.24–25 <i>Capacity capers!</i> , p.26–27 <i>And finally ...</i> , p.28–29	p.34–43 Homework: <i>Addition codes</i> and <i>Addition pyramids</i> , p.184, and <i>Journeys</i> and <i>Measuring your home</i> , p.185	p.13–20	Animation: <i>Comparing 4-digit numbers</i> Animation: <i>Subtracting 4-digit numbers</i> Interactive: <i>Coin</i> Interactive: <i>Money</i> CPD: <i>Additive Reasoning - Introduction, The Learning Journey, Key Ideas 1, Key Ideas 2, Next Steps</i>	Number - addition and subtraction Measurement	<ul style="list-style-type: none"> add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate estimate, compare and calculate different measures, including money in pounds and pence
4	Multiplicative Reasoning	Explore multiplication facts for 6, 9, and 12	3 <i>Factors and calculating</i> , p.30–31 3a <i>Counting in 6s, 9s and 12s</i> , p.32–33 <i>Three in a line</i> , p.38–39 Game 1	p.44–47, p.52–53 Homework: <i>Christmas tree</i> and <i>Counting in sixes, nines and twelves</i> , p.186	p.21–23	CPD: <i>Number Sense - Key Ideas 1</i> CPD: <i>Multiplicative Reasoning - Introduction, The Learning Journey, Key Ideas 1, Key Ideas 3, Next Steps</i>	Number - number and place value Number - multiplication and division Measurement	<ul style="list-style-type: none"> count in multiples of 6, 7, 9, 25 and 1,000 recall multiplication and division facts for multiplication tables up to 12×12 recognise and use factor pairs and commutativity in mental calculations estimate, compare and calculate different measures



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5	Multiplicative Reasoning	Perform multiplication calculations mentally	3b <i>Calculating mentally</i> , p.34–35	p.48–49 Homework: <i>Multiplication dice</i> and <i>Multiplying puzzle</i> , p.187	p.24–26		Number - multiplication and division Measurement	<ul style="list-style-type: none"> recall multiplication and division facts for multiplication tables up to 12×12 recognise and use factor pairs and commutativity in mental calculations estimate, compare and calculate different measures
6	Multiplicative Reasoning	Multiply 2-digit numbers by 1-digit numbers.	3c <i>Calculating on paper</i> , p.36–37 <i>Three in a line</i> , p.38–39 Game 2 <i>And finally ...</i> , p.40–41	p.50–55 Homework: <i>Multiplication snap</i> and <i>Multiplying choir</i> , p.188	p.27–30	CPD: <i>Multiplicative Reasoning - Key Ideas 2, Key Ideas 3, Next Steps</i>	Number - multiplication and division	<ul style="list-style-type: none"> use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers
Rising Stars Mathematics Half-Termly Test Year 4 Autumn 1								

Autumn 2

Rising Stars Mathematics							National Curriculum	
Week	Strand	Weekly summary	Textbook topics and page numbers	Teacher's Guide	Practice Book	Interactives and videos	Domain	Statement
7	Geometric Reasoning	Identify acute, obtuse and right angles.	4 <i>2-D shapes, angles and symmetry</i> , p.42–43 4a <i>Three types of angle</i> , p.44–45	p.56–59 Homework: <i>Investigating angles</i> and <i>Pizza angles</i> , p.189	p.31–34	Animation: <i>Identifying angles</i> Animation: <i>What is symmetry?</i> Interactive: <i>2-D shapes</i> Interactive: <i>Geometry instruments</i> CPD: <i>Geometric Reasoning - Introduction, Learning Journey, Key Ideas 1, Key Ideas 2, Next Steps</i>	Geometry - properties of shapes	<ul style="list-style-type: none"> compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes identify acute and obtuse angles and compare and order angles up to 2 right angles by size



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8	Geometric Reasoning	Identify types of triangles	4b <i>Triangles</i> , p.46–47	p.60–61 Homework: <i>True triangles and Making triangles</i> , p.190	p.35–36	Animation: <i>Identifying angles</i> Animation: <i>What is symmetry?</i> Interactive: <i>2-D shapes</i> Interactive: <i>Geometry instruments</i>	Geometry - properties of shapes	<ul style="list-style-type: none"> compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes identify acute and obtuse angles and compare and order angles up to 2 right angles by size
9	Geometric Reasoning	Identify types of quadrilaterals.	4c <i>Quadrilaterals</i> , p.48–49 <i>What's my property?</i> , p.52–53	p.62–63, p.66–67 Homework: <i>Making quadrilaterals and Straw quadrilaterals</i> , p.191	P.37–40	Animation: <i>Identifying angles</i> Animation: <i>Properties of triangles</i> Interactive: <i>Geometry instruments</i>	Geometry - properties of shapes	<ul style="list-style-type: none"> compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes identify acute and obtuse angles and compare and order angles up to 2 right angles by size
10	Geometric Reasoning	Explore lines of symmetry in 2-D shapes.	4d <i>Symmetry</i> , p.50–51 <i>And finally ...</i> , p.54–55	p.64–65, p.68–69 Homework: <i>Symmetry at home and Triangle pictures</i> , p.192	p.41–43	Animation: <i>What is symmetry?</i> Interactive: <i>2-D shapes</i> Interactive: <i>Geometry instruments</i> CPD: <i>Geometric Reasoning - Key Ideas 2, Next Steps</i>	Geometry - properties of shapes	<ul style="list-style-type: none"> identify lines of symmetry in 2-D shapes presented in different orientations
11	Number Sense	Count in 7s	5 <i>Different numbers</i> , p.56–57 5a <i>Counting in steps</i> , p.58–59	p.70–73 Homework: <i>Holiday calculations and Temperature game</i> , p.193	p.44–46	CPD: <i>Number Sense - Key Ideas 1, Key Ideas 3</i>	Number - number and place value Measurement	<ul style="list-style-type: none"> count backwards through 0 to include negative numbers estimate, compare and calculate different measures, including money in pounds and pence



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12	Number Sense	Round, compare and order 4-digit numbers	5b <i>Rounding, ordering and comparing</i> , p.60–61 <i>Find a smile!</i> , p.64–65	p.74–75, p.78–79 Homework: <i>Rounding masses</i> and <i>Comparing masses</i> , p.194	p.47–51	Animation: <i>Comparing 4-digit numbers</i> Interactive: <i>Place value</i> CPD: <i>Number Sense - Key Ideas 2, Key Ideas 3</i>	Number - number and place value Measurement	<ul style="list-style-type: none"> • recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s) • order and compare numbers beyond 1,000 • round any number to the nearest 10, 100 or 1,000 • solve number and practical problems that involve all of the above and with increasingly large positive numbers • estimate, compare and calculate different measures, including money in pounds and pence
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Spring 1

Rising Stars Mathematics							National Curriculum	
Week	Strand	Weekly summary	Textbook topics and page numbers	Teacher's Guide	Practice Book	Interactives and videos	Domain	Statement
13	Number Sense	Read and write Roman numerals.	5c <i>Roman numerals</i> , p.62–63 <i>And finally ...</i> , p.66–67	p.76–77, p.80–81 Homework: <i>Weekend times and Roman number game</i> , p.195	p.52–53		Number - number and place value	<ul style="list-style-type: none"> • read Roman numerals to 100 (I to C) and know that, over time, the numeral system changed to include the concept of 0 and place value
14	Additive Reasoning	Use mental and written methods to solve addition and subtraction problems.	6 <i>Applying addition and subtraction</i> , p.68–69 6a <i>Using mental and written methods to solve problems</i> , p.70–71 <i>Time out!</i> , p.76–77	p.82–85, p.90–91 Homework: <i>Using train timetables and Measuring lengths and widths</i> , p.196	p.54–58	CPD: <i>Additive Reasoning - Key Ideas 1, Key Ideas 2, Next Steps</i>	Number - addition and subtraction Measurement	<ul style="list-style-type: none"> • add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate • solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why • estimate, compare and calculate different measures, including money in pounds and pence • read, write and convert time between analogue and digital 12- and 24-hour clocks • solve problems involving converting from hours to minutes
15	Additive Reasoning	Use addition and subtraction to investigate bar models and bar charts.	6b <i>Bar models and bar charts</i> , p.72–73	p.86–87 Homework: <i>Building pyramids and Recording time</i> , p.197	p.59–63		Number - addition and subtraction Statistics	<ul style="list-style-type: none"> • add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate • interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs • solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs



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16	Additive Reasoning	Solve addition and subtraction two-step problems.	6c <i>Solving problems</i> , p.74–75 <i>And finally ...</i> , p.78–79	p.88–89, p.92–93 Homework: <i>Money problems and Clever additions and subtractions</i> , p.198	p.64–65		Number - addition and subtraction Measurement	<ul style="list-style-type: none"> • solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why • estimate, compare and calculate different measures, including money in pounds and pence
17	Number Sense	Find equivalent fractions and add and subtract fractions with the same denominator.	7 <i>Fractions and decimals</i> , p.80–81 7a <i>Families of fractions</i> , p.82–83	p.94–97 Homework: <i>Quick fire fractions</i> and <i>Fractions code</i> , p.199	p.66–70	Interactive: <i>Fraction and decimal wall</i> CPD: <i>Number Sense - Key Ideas 4</i>	Number - fractions (including decimals) Measurement	<ul style="list-style-type: none"> • recognise and show, using diagrams, families of common equivalent fractions • add and subtract fractions with the same denominator • estimate, compare and calculate different measures, including money in pounds and pence
18	Number Sense	Explore decimal and fraction equivalences.	7b <i>Decimals and equivalences</i> , p.84–85 <i>The same or different?</i> , p.86–87 <i>And finally ...</i> , p.88–89	p.98–103 Homework: <i>Decimal and fraction equivalences</i> and <i>Stationery shopping</i> , p.200	p.71–73	Interactive: <i>Fraction and decimal wall</i> CPD: <i>Number Sense - Key Ideas 4, Next Steps</i>	Number - fractions (including decimals) Measurement	<ul style="list-style-type: none"> • count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10 • recognise and write decimal equivalents of any number of tenths or hundredths • recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ • find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths • solve simple measure and money problems involving fractions and decimals to 2 decimal places • estimate, compare and calculate different measures, including money in pounds and pence

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Spring 2

Rising Stars Mathematics							National Curriculum	
Week	Strand	Weekly summary	Textbook topics and page numbers	Teacher's Guide	Practice Book	Interactives and videos	Domain	Statement
19	Multiplicative Reasoning	Count in 7s and use multiplication facts for 7 and 11.	8 <i>Methods for multiplying</i> , p.90–91 8a <i>Multiplication table facts</i> , p.92–93 <i>Lucky numbers</i> , p.100–101	p.104–107, p.114–115 Homework: <i>7-day data</i> and <i>Party planner</i> , p.201	p.74–77	CPD: <i>Number Sense - Key Ideas 1</i> CPD: <i>Multiplicative Reasoning - Key Ideas 1</i>	Number - number and place value Number - multiplication and division Measurement	<ul style="list-style-type: none"> count in multiples of 6, 7, 9, 25 and 1,000 recall multiplication and division facts for multiplication tables up to 12×12 solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days
20	Multiplicative Reasoning	Multiply three numbers	8b <i>Three at once</i> , p.94–95 <i>Lucky numbers</i> , p.100–101	p.108–109, p.114–115 Homework: <i>Multiplying puzzle</i> and <i>Highest number</i> , p.202	p.78–80	CPD: <i>Multiplicative Reasoning - Key Ideas 3</i>	Number - multiplication and division	<ul style="list-style-type: none"> use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers
21	Multiplicative Reasoning	Solve multiplication problems.	8c <i>Written methods</i> , p.96–97	p.110–111 Homework: <i>Market problems</i> and <i>Bouquet of flowers</i> , p.203	81–83	CPD: <i>Multiplicative Reasoning - Key Ideas 2, Key Ideas 3</i>	Number - multiplication and division Measurement	<ul style="list-style-type: none"> solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling and harder correspondence problems such as n objects are connected to m objects estimate, compare and calculate different measures, including money in pounds and pence



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22	Multiplicative Reasoning	Use scaling to model multiplication problems.	8d <i>Scaling</i> , p.98–99 <i>And finally ...</i> , p.102–103	p.112–113, p.116–117 Homework: <i>What number?</i> and <i>Cupcake recipe</i> , p.204	p.84–86		Number - multiplication and division Measurement	<ul style="list-style-type: none"> • solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling and harder correspondence problems such as n objects are connected to m objects • estimate, compare and calculate different measures, including money in pounds and pence
23	Geometric Reasoning	Investigate trapeziums and kites.	9 <i>Polygons and coordinates</i> , p.104–105 9a <i>Trapeziums and kites</i> , p.106–107 <i>Quadrilateral quest</i> , p.110–111	p.118–121, p.124–125 Homework: <i>Trapezium: true or false?</i> and <i>Making a kite</i> , p.205	p.87–90	Animation: <i>Identifying angles</i> Interactive: <i>Geometry instruments</i> CPD: <i>Geometric Reasoning - Key Ideas 1, Key Ideas 2</i>	Geometry - properties of shapes	<ul style="list-style-type: none"> • compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
24	Geometric Reasoning	Use coordinate grids to plot coordinates and translate shapes.	9b <i>Coordinates and translations</i> , p.108–109 <i>And finally ...</i> , p.112–113	p.122–123, p.126–127 Homework: <i>Coordinate stars</i> and <i>Moving around a grid</i> , p.206	p.91–93	CPD: <i>Geometric Reasoning - Key Ideas 3, Next Steps</i>	Geometry - position and direction	<ul style="list-style-type: none"> • describe positions on a 2-D grid as coordinates in the first quadrant • describe movements between positions as translations of a given unit to the left/right and up/down • plot specified points and draw sides to complete a given polygon
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Medium-term Plans

Summer 1

Rising Stars Mathematics							National Curriculum	
Week	Strand	Weekly summary	Textbook topics and page numbers	Teacher's Guide	Practice Book	Interactives and videos	Domain	Statement
25	Number Sense	Count in 25s and 1000s.	10 <i>Number and place value in real life</i> , p.114–115 10a <i>25s and 1,000s</i> , p.116–117 <i>Number crunch!</i> , p.120–121 Game 1	p.128–131, p.134–135 Homework: <i>Secret word!</i> and <i>Populations</i> , p.207	p.94–96	Interactive: <i>Place value</i> CPD: <i>Number Sense - Key Ideas 1</i>	Number - number and place value Measurement	<ul style="list-style-type: none"> count in multiples of 1,000 find 1,000 more or less than a given number solve number and practical problems that involve all of the above and with increasingly large positive numbers estimate, compare and calculate different measures, including money in pounds and pence
26	Number Sense	Use place value in different contexts.	10b <i>Place value and measures</i> , p.118–119 <i>Number crunch!</i> , p.120–121 Game 2 <i>And finally ...</i> , p.122–123	p.132–137 Homework: <i>4 cards!</i> and <i>TV guide</i> , p.208	p.97–99	Interactive: <i>Clock</i> Interactive: <i>Place value</i>	Measurement	<ul style="list-style-type: none"> convert between different units of measure [for example, hour to minute] read, write and convert time between analogue and digital 12- and 24-hour clocks solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days
27	Additive Reasoning	Solve addition and subtraction problems using written methods.	11 <i>Addition and subtraction problems</i> , p.124–125 11a <i>Solving problems using written methods</i> , p.126–127 <i>Money boards</i> , p.130–131	p.138–141, p.144–145 Homework: <i>Money maze</i> and <i>Making dinner</i> , p.209	p.100–103	Interactive: <i>Coin</i> Interactive: <i>Money</i> CPD: <i>Additive Reasoning - Key Ideas 1, Key Ideas 2, Next Steps</i>	Number - addition and subtraction Number - fractions (including decimals) Measurement	<ul style="list-style-type: none"> add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why estimate and use inverse operations to check answers to a calculation solve simple measure and money problems involving fractions and decimals to two decimal places estimate, compare and calculate different measures, including money in pounds and pence



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28	Additive Reasoning	Solve real-life addition and subtraction problems using written methods.	11b <i>Applying methods of addition and subtraction</i> , p.128–129 <i>And finally ...</i> , p.132–133	p.142–143, p.146–147 Homework: <i>Magic squares</i> and <i>Calculating sales</i> , p.210	p.104–107	CPD: <i>Additive Reasoning - Next Steps</i>	Number - addition and subtraction	<ul style="list-style-type: none"> • solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
29	Number Sense	Investigate equivalent fractions and decimals.	12 <i>Decimals and fractions in real life</i> , p.134–135 12a <i>Equivalences</i> , p.136–137 <i>Fraction frenzy</i> , p.140–141	p.148–151, p.154–155 Homework: <i>True or false?</i> and <i>Fractions and decimals memory game</i> , p.211	p.108–111	Interactive: <i>Fraction and decimal wall</i> CPD: <i>Number Sense - Key Ideas 4</i>	Number - fractions (including decimals) Measurement	<ul style="list-style-type: none"> • recognise and show, using diagrams, families of common equivalent fractions • add and subtract fractions with the same denominator • recognise and write decimal equivalents of any number of tenths or hundredths • recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ • find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths • estimate, compare and calculate different measures, including money in pounds and pence
30	Number Sense	Compare decimals and round decimals to the nearest whole number.	12b <i>Comparing and rounding decimals</i> , p.138–139 <i>And finally ...</i> , p.142–143	p.152–153, p.156–157 Homework: <i>Bigger or smaller?</i> and <i>Rounding</i> , p.212	p.112–115	Interactive: <i>Fraction and decimal wall</i> CPD: <i>Number Sense - Key Ideas 3, Key Ideas 4, Next Steps</i>	Number - fractions (including decimals) Measurement	<ul style="list-style-type: none"> • round decimals with 1 decimal place to the nearest whole number • compare numbers with the same number of decimal places up to 2 decimal places • solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number • solve simple measure and money problems involving fractions and decimals to 2 decimal places • estimate, compare and calculate different measures, including money in pounds and pence

Rising Stars Mathematics Half-Termly Test Year 4 Summer 1



Medium-term Plans

Summer 2

Rising Stars Mathematics							National Curriculum	
Week	Strand	Weekly summary	Textbook topics and page numbers	Teacher's Guide	Practice Book	Interactives and videos	Domain	Statement
31	Multiplicative Reasoning	Count in 25 and 1000s and use multiplication facts.	13 <i>Multiplication tables</i> , p.144–145 13a <i>Multiplying and dividing mentally</i> , p.146–147 <i>Terrific tables</i> , p.152–153 Game 1	p.158–161, p.166–167 Homework: <i>Mental maze</i> and <i>Alien problems</i> , p.213	p.116–119	CPD: <i>Multiplicative Reasoning - Key Ideas 1, Key Ideas 3, Next Steps</i>	Number - number and place value Number - multiplication and division Statistics	<ul style="list-style-type: none"> count in multiples of 6, 7, 9, 25 and 1,000 recall multiplication and division facts for multiplication tables up to 12×12 solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs
32	Multiplicative Reasoning	Use formal written methods to multiply 3-digit numbers by 1-digit numbers.	13b <i>Multiplying on paper</i> , p.148–149 <i>Terrific tables</i> , p.152–153 Game 2	p.162–163, p.166–167 Homework: <i>At the cinema</i> and <i>Largest and smallest product</i> , p.214	p.120–121	CPD: <i>Multiplicative Reasoning - Key Ideas 2</i>	Number - multiplication and division Measurement	<ul style="list-style-type: none"> multiply two-digit and three-digit numbers by a one-digit number using formal written layout estimate, compare and calculate different measures, including money in pounds and pence
33	Multiplicative Reasoning	Use scaling to perform multiplication calculations.	13c <i>Scaling</i> , p.150–151 <i>And finally ...</i> , p.154–155	p.164–165, p.168–169 Homework: <i>Shopping</i> and <i>Play date</i> , p.215	p.122–124	CPD: <i>Multiplicative Reasoning - Key Ideas 3, Next Steps</i>	Number - multiplication and division Measurement	<ul style="list-style-type: none"> solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling and harder correspondence problems such as n objects are connected to m objects estimate, compare and calculate different measures, including money in pounds and pence



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34	Geometric Reasoning	Calculate perimeter and area	14 <i>Perimeter, area and symmetry</i> , p.156–157 14a <i>Perimeter and area</i> , p.158–159	p.170–173 Homework: <i>Making a den!</i> and <i>Lengths and widths of rectangles</i> , p.216	p.125–128	Interactive: <i>2-D shapes</i> CPD: <i>Geometric Reasoning - Key Ideas 1, Key Ideas 2, Key Ideas 3</i>	Geometry - properties of shapes Measurement	<ul style="list-style-type: none"> compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres find the area of rectilinear shapes by counting squares
35	Geometric Reasoning	Investigate angles in 2-D shapes.	14b <i>Perimeter and angles</i> , p.160–161	p.174–175 Homework: <i>Making angles</i> and <i>Collage calendar</i> , p.217	p.129–133	Animation: <i>Identifying angles</i> Interactive: <i>Geometry instruments</i>	Geometry - properties of shapes Measurement	<ul style="list-style-type: none"> compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes identify acute and obtuse angles and compare and order angles up to 2 right angles by size measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres find the area of rectilinear shapes by counting squares
36	Geometric Reasoning	Count squares to find area and complete symmetrical shapes.	14c <i>Area and symmetry</i> , p.162–163 <i>Rectangle reckoning!</i> , p.164–165 <i>And finally ...</i> , p.166–167	p.176–181 Homework: <i>Aliens</i> and <i>Investigating areas</i> , p.218	p.134–137	Animation: <i>What is symmetry?</i> CPD: <i>Geometric Reasoning - Key Ideas 2, Key Ideas 3, Next Steps</i>	Geometry - properties of shapes Measurement	<ul style="list-style-type: none"> complete a simple symmetric figure with respect to a specific line of symmetry find the area of rectilinear shapes by counting squares
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