

| Autumn | Number<br>Place value                      | Number<br>Addition<br>and<br>subtraction | <sub>Number</sub><br>Multiplication<br>and division A | Number<br>Fracti           | Number<br>Fractions A     |                |                       |  |
|--------|--|--|---|----------------------------|---------------------------|----------------|-----------------------|--|
| Spring | Number<br>Multiplication<br>and division B | Number<br>Fractions B                    | Number<br>Decimals and<br>percentages                 | Measure<br>Perim<br>and a  | eter                      | Statistics     |                       |  |
| Summer | Geometry<br>Shape                          | Geometry<br>Position<br>and<br>direction | Number<br>Decimals                                    | Number<br>Negative numbers | Measure<br>Conve<br>units | ment<br>erting | Measurement<br>Volume |  |

| White Rose Steps<br>Number: Place Value                | Can you   | National Curriculum Objectives  |
|--|---|---|
| Step 1: Roman Numerals to 1,000                        | Can you read and write Roman Numerals to 1,000<br>(M)?                                    | <ul> <li>Read Roman numerals to 1,000 (M) and recognise years written in<br/>Roman numerals</li> </ul>  |
| Step 2: Numbers to 10,000                              | Can you identify place value and represent numbers<br>up to 10,000?                       | • Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit  |
| Step 3: Numbers to 100,000                             | Can you identify place value and represent numbers up to 100,000?                         | • Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000   |
| Step 4: Numbers to 1,000,000                           | Can you identify place value and represent numbers<br>up to 1,000,000?                    |   |
| Step 5: Read and write numbers to 1,000,000            | Can you read and write numbers to 1,000,000?  | • Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit  |
| Step 6: Powers of 10                                   | Can you use place value to calculate with powers of 10?                                   | • Solve number problems and practical problems involving the above  |
| Step 7:<br>10/100/1,000/10,000/100,000<br>more or less | Can you find numbers 10, 100, 1,000, 10,000, 100,000<br>more or less than a given number? | <ul> <li>Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000</li> <li>Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit</li> </ul> |
| Step 8: Partition numbers to 1,000,000                 | Can you partition numbers up to 1,000,000?  | • Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit  |
| Step 9: Number line to 1,000,000                       | Can you recognise the value of different intervals on number lines up to 1,000,000?       | <ul> <li>Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit</li> <li>Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000</li> </ul> |
| Step 10: Compare and order<br>numbers to 100,000       | Can you compare and order numbers to 100,000?   | • Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit  |
| Step 11: Compare and order numbers to 1,000,000        | Can you compare and order numbers to 1,000,000?   |   |
| Step 12: Round to the nearest 10, 100 or 1,000         | Can you round to the nearest 10, 100 or 1,000?  | <ul> <li>Round any number up to 1,000,000 to the nearest 10, 100, 1,000,<br/>10,000 and 100,000</li> </ul>  |
| Step 13: Round within 100,000                          | Can you round any number within 100,000 to a required degree of accuracy?                 |   |
| Step 14: Round within 1,000,000                        | Can you round any number within 1,000,000 to a required degree of accuracy?               |   |

| Number: Addition and Subtr      | raction  |   |  |
|---------------------------------|--|---|--|
| Step 1: Mental Strategies       | Can you add and subtract numbers mentally with                             | • | Add and subtract numbers mentally with increasingly large  |
|                                 | increasingly large numbers?  |   | numbers  |
| Step 2: Add whole numbers with  | Can you add whole numbers with more than four digits?                      | • | Add and subtract whole numbers with more than four digits,   |
| more than four digits           |  |   | including using formal written methods (columnar addition and  |
| Step 3: Subtract whole numbers  | Can you subtract whole numbers with more than four                         |   | subtraction)   |
| with more than four digits      | digits?  | • | Solve addition and subtraction multi-step problems in contexts,  |
|                                 |  |   | deciding which operations and methods to use and why   |
| Step 4: Round to check answers  | Can you round any number up to 1,000,000 to check answers to calculations? | • | Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000                           |
|                                 |  | • | Add and subtract numbers mentally with increasingly large numbers  |
|                                 |  | • | Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy |
| Step 5: Inverse operations      | Can you solve multi-step problems using the inverse                        | • | Add and subtract whole numbers with more than four digits,   |
| (addition and subtraction)      | operations?  |   | including using formal written methods (columnar addition and  |
| Step 6: Multi-step addition and | Can you solve multi-step addition and subtraction                          |   | subtraction)   |
| subtraction problems            |  | • | Solve addition and subtraction multi-step problems in contexts,  |
| ·                               |  |   | deciding which operations and methods to use and why   |
| Step 7: Compare calculations    | Can you solve multi-step problems by comparing calculations?               | • | Add and subtract numbers mentally with increasingly large numbers  |
| Step 8: Find missing numbers    | Can you solve multi-step problems by finding missing                       | • | Solve addition and subtraction multi-step problems in contexts,  |
|                                 | numbers?   |   | deciding which operations and methods to use and why   |
| Number: Multiplication and      | Division A   |   |  |
| Step 1: Multiples               | Can you solve problems involving multiples?                                | • | Identify multiples and factors, including finding all factor pairs of  |
| Step 2: Common multiples        | Can you solve problems involving common multiples?                         |   | a number, and common factors of two numbers  |
| Step 3: Factors                 | Can you solve problems involving factors?                                  | • | Solve problems involving multiplication and division, including using  |
| Step 4: Common factors          | Can you solve problems involving common factors?                           |   | their knowledge of factors and multiples, squares and cubes  |
| Step 5: Prime numbers           | Can you solve problems involving prime numbers?                            | • | Know and use the vocabulary of prime numbers, prime factors and  |
|                                 |  |   | composite (non-prime) numbers  |
|                                 |  | • | Establish whether a number up to 100 is prime and recall prime numbers up to 19                              |
| Step 6: Square numbers          | Can you solve problems involving square numbers?                           | • | Recognise and use square numbers and cube numbers, and the   |
| Step 7: Cube numbers            | Can you solve problems involving cube numbers?                             |   | notation for squared (2) and cubed (3)   |
|                                 |  | • | Solve problems involving multiplication and division, including using  |
|                                 |  |   | their knowledge of factors and multiples, squares and cubes  |

| Stan & Multink 10, 100 and 1,000                                       | Convey multiply whole numbers by 10, 100 and 1,0002  | - | Multiply and divide whole womband and these involving designals by                  |
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| Step 8: Multiply 10, 100 and 1,000<br>Step 9: Divide 10, 100 and 1,000 | Can you multiply whole numbers by 10, 100 and 1,000?<br>Can you divide whole numbers by 10, 100 and 1,000? | • | Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 |
|  |  |   |   |
| Step 10: Multiples of 10, 100 and                                      | Can you multiply and divide numbers mentally by  | • | Multiply and divide whole numbers and those involving decimals by                   |
| 1,000  | drawing upon known facts?  |   | 10, 100 and 1,000   |
| Numbers Exections 4  |  | • | Multiply and divide numbers mentally, drawing upon known facts                      |
| Number: Fractions A  |  |   |   |
| Step 1: Find fractions equivalent                                      | Can you find fractions equivalent to a unit fraction?  | • | Identify, name and write equivalent fractions of a given fraction,                  |
| to a unit fraction   |  |   | represented visually, including tenths and hundredths                               |
| Step 2: Find fractions equivalent                                      | Can you find fractions equivalent to a non-unit  |   |   |
| to a non-unit fraction   | fraction?  | _ |   |
| Step 3: Recognise equivalent   | Can you recognise equivalent fractions?  |   |   |
| fractions  |  |   |   |
| Step 4: Convert improper   | Can you Convert improper fractions to mixed numbers?   | • | Recognise mixed numbers and improper fractions and convert                          |
| fractions to mixed numbers   |  |   | from one form to the other and write mathematical statements >                      |
| Step 5: Convert mixed numbers to                                       | Can you convert mixed numbers to improper fractions?   |   | 1 as a mixed number   |
| improper fractions   |  |   |   |
| Step 6: Compare fractions less   | Can you compare fractions less than 1?   | • | Compare and order fractions whose denominators are all multiples                    |
| than 1   |  |   | of the same number  |
| Step 7: Order fractions less than                                      | Can you order fractions less than 1?   | • | Identify, name and write equivalent fractions of a given fraction,                  |
| 1  |  |   | represented visually, including tenths and hundredths                               |
| Step 8: Compare and order  | Can you compare and order fractions greater than 1?  | • | Compare and order fractions whose denominators are all multiples                    |
| fractions greater than 1   |  |   | of the same number  |
|  |  | • | Recognise mixed numbers and improper fractions and convert                          |
|  |  |   | from one form to the other and write mathematical statements >                      |
|  |  |   | 1 as a mixed number   |
| Step 9: Add and subtract   | Can you add and subtract fractions with the same   | • | Add and subtract fractions with the same denominator, and                           |
| fractions with the same  | denominator?   |   | denominators that are multiples of the same number                                  |
| denominator  |  | • | Recognise mixed numbers and improper fractions and convert                          |
|  |  |   | from one form to the other and write mathematical statements >                      |
|  |  |   | 1 as a mixed number   |
| Step 10: Add fractions within 1  | Can you add fractions within 1?  | • | Add and subtract fractions with the same denominator, and                           |
|  |  |   | denominators that are multiples of the same number                                  |
| Step 11: Add fractions with a total                                    | Can you add fractions with a total greater than 1?   | • | Add and subtract fractions with the same denominator, and                           |
| greater than 1   |  |   | denominators that are multiples of the same number                                  |
| Step 12: Add to a mixed number   | Can you add fractions to a mixed number?   |   |   |
| Step 13: Add two mixed numbers   | Can you add two mixed numbers?   |   |   |

| Step 14: Subtract fractions   | Can you subtract fractions with the same denominator,<br>and denominators that are multiples of the same | • | Recognise mixed numbers and improper fractions and convert<br>from one form to the other and write mathematical statements ><br>1 as a mixed number<br>Add and subtract fractions with the same denominator, and<br>denominators that are multiples of the same number |  |
|---|--|---|--|--|
| Step 15: Subtract from a mixed number                                 | number?<br>Can you subtract amounts from a mixed number?   | • | Add and subtract fractions with the same denominator, and denominators that are multiples of the same number   |  |
| Step 16: Subtract from a mixed<br>number – breaking the whole         | Can you subtract from a mixed number – breaking the whole?   | • | Recognise mixed numbers and improper fractions and convert<br>from one form to the other and write mathematical statements >   |  |
| Step 17: Subtract two mixed numbers                                   | Can you subtract two mixed numbers?  |   | 1 as a mixed number  |  |
| Number: Multiplication and  | Division B   |   |  |  |
| Step 1: Multiply up to a 4-digit<br>number by a 1-digit number        | Can you multiply up to a 4-digit number by a 1-digit number?   | • | Multiply numbers up to four digits by a 1- or 2-digit number using a formal written method, including long multiplication for 2-digit  |  |
| Step 2: Multiply a 2-digit number<br>by a 2-digit number (area model) | Can you multiply a 2-digit number by a 2-digit number using the area model?                              |   | numbers  |  |
| Step 3: Multiply a 2-digit number<br>by a 2-digit number              | Can you multiply a 2-digit number by a 2-digit number?   |   |  |  |
| Step 4: Multiply a 3-digit number<br>by a 1-digit number              | Can you multiply a 3-digit number by a 1-digit number?   |   |  |  |
| Step 5: Multiply a 4-digit number<br>by a 2-digit number              | Can you multiply a 4-digit number by a 2-digit number?   |   |  |  |
| Step 6: Solve problems with multiplication                            | Can you solve problems involving multiplication?   |   |  |  |
| Step 7: Short division  | Can you use short division to divide numbers?  | • | Divide up to four digits by a 1-digit number using the formal  |  |
| Step 8: Divides a 4-digit number<br>by a 1-digit number               | Can you divide a 4-digit number by a 1-digit number?   |   | written method of short division and interpret remainders appropriately for the context  |  |
| Step 9: Divide with remainders  | Can you use short division to divide numbers with remainders?  |   |  |  |
| Step 10: Efficient division   | Can you solve division problems by choosing the most efficient method?                                   |   |  |  |
| Step 11: solve problems with multiplication and division              | Can you solve problems involving multiplication and division?  | • | Divide up to four digits by a 1-digit number using the formal<br>written method of short division and interpret remainders<br>appropriately for the context  |  |

|  |  | • | Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes   |
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| Number: Fractions B                                    |  |   |   |
| Step 1: Multiply a unit fraction by<br>an integer      | Can you multiply a unit fraction by an integer?                              | • | Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams   |
| Step 2: Multiply a non-unit<br>fraction by an integer  | Can you multiply a non-unit fraction by an integer?                          |   |   |
| Step 3: Multiply a mixed number<br>by an integer       | Can you multiply a mixed number by an integer?                               |   |   |
| Step 4: Calculate a fraction of a quantity             | Can you calculate a fraction of a quantity?                                  |   |   |
| Step 5: Fraction of an amount                          | Can you find the fraction of an amount?                                      |   |   |
| Step 6: Find the whole                                 | Can you find the whole?  |   |   |
| Step 7: Use fractions as operators                     | Can you use fractions as operators?  | • | Multiply proper fractions and mixed numbers by whole numbers,<br>supported by materials and diagrams<br>Solve problems involving increasingly harder fractions to calculate<br>quantities, and fractions to divide quantities, including non-unit |
|  |  |   | fractions where the answer is a whole number (Y4)   |
| Number: Decimals and Perce                             | entages  |   |   |
| Step 1: Decimals up to 2 decimal places                | Can you read decimals up to 2 decimal places?                                | • | Read, write, order and compare numbers with up to 3 decimal places  |
| Step 2: Equivalent fractions and decimals (tenths)     | Can you read and write decimal numbers as fractions in the tenths Colum?     | • | Read and write decimal numbers as fractions   |
| Step 3: Equivalent fractions and decimals (hundredths) | Can you read and write decimal numbers as fractions in the hundredths Colum? | • | Identify, name and write equivalent fractions of a given fraction,<br>represented visually, including tenths and hundredths<br>Read and write decimal numbers as fractions  |
| Step 4: Equivalent fractions and decimals              | Can you find equivalent fractions and decimals?                              | • | Read and write decimal numbers as fractions<br>Solve problems which require knowing percentage and decimal<br>equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a<br>denominator of a multiple of 10 or 25                          |
| Step 5: Thousandths as fractions                       | Can you identify thousandths as fractions?                                   | • | Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents   |
| Step 6: Thousandths as decimals                        | Can you identify thousandths as decimals?                                    | • | Recognise and use thousandths and relate them to tenths,<br>hundredths and decimal equivalents  |
|  |  | • | Read, write, order and compare numbers with up to 3 decimal places  |

| Step 7: Thousandths on a place<br>value chart<br>Step 8: Order and compare<br>decimals (same number of decimal<br>places) | Can you identify thousandths on a place value chart?<br>Can you order and compare decimals? | • | Read, write, order and compare numbers with up to 3 decimal<br>places<br>Solve problems involving numbers up to 3 decimal places   |
|---|---|---|--|
| Step 9: Order and compare any<br>decimals with up to 3 decimal<br>places  | Can you order and compare decimals up to 3 decimal places?                                  |   |  |
| Step 10: Round to the nearest whole number  | Can you round decimals to the nearest whole number?   | • | Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place  |
| Step 11: Round to 1 decimal place   | Can you round decimals to 1 decimal place?  |   |  |
| Step 12: Understand percentages   | Can you understand and identify percentages?  | • | Recognise the per cent symbol (%) and understand that per cent<br>relates to "number of parts per 100", and write percentages as a<br>fraction with denominator 100, and as a decimal fraction   |
| Step 13: Percentages as fractions   | Can you write a percentage as a fraction?   | • | Recognise the per cent symbol (%) and understand that per cent   |
| Step 14: Percentages as decimals  | Can you write a percentage as a decimal?  |   | relates to "number of parts per 100", and write percentages as a   |
| Step 15: Equivalent fractions,  | Can you find equivalent fractions, decimals and   | 1 | fraction with denominator 100, and as a decimal fraction   |
| decimals and percentages  | percentages?  | • | Solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25  |
| Measurement: Perimeter and  | d Area  |   |  |
| Step 1: Perimeter of rectangles   | Can you find the perimeter of rectangles?   | • | Measure and calculate the perimeter of composite rectilinear   |
| Step 2: Perimeter of rectilinear shapes   | Can you find the perimeter of rectilinear shapes?   |   | shapes in centimetres and metres   |
| Step 3: Perimeter of polygons   | Can you find the perimeter of polygons?   |   |  |
| Step 4: Area of rectangles  | Can you find the area of rectangles?  | • | Measure and calculate the perimeter of composite rectilinear   |
| Step 5: Area of compound shapes   | Can you find the area of compound shapes?   | • | shapes in centimetres and metres<br>Calculate and compare the area of rectangles (including squares),<br>including using standard units, square centimetres (cm2) and<br>square metres (m2), and estimate the area of irregular shapes |
| Step 6: Estimate area   | Can you estimate the area of irregular shapes?  | • | Calculate and compare the area of rectangles (including squares),<br>including using standard units, square centimetres (cm <sup>2</sup> ) and<br>square metres (m <sup>2</sup> ), and estimate the area of irregular shapes           |
| Statistics  |   |   |  |
| Step 1: Draw line graphs  | Can you draw line graphs to display data?   |   |  |

| Step 2: Read and interpret line             | Can you read and interpret line graphs?   | • | Solve comparison, sum and difference problems using information  |
|---|---|---|--|
| graphs                                      |   |   | presented in a line graph  |
| Step 3: Read and interpret tables           | Can you read and interpret tables?  | • | Complete, read and interpret information in tables, including  |
| Step 4: Two-way tables                      | Can you complete, read and interpret two-way tables?  | ? | timetables   |
| Step 5: Read and interpret                  | Can you complete, read and interpret timetables?  |   |  |
| timetables                                  |   |   |  |
| Geometry: Shape                             |   |   |  |
| Step 1: Understand and use degrees          | Can you understand and use degrees?   | • | Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles  |
| Step 2: Classify angles                     | Can you classify a range of angles?   |   |  |
| Step 3: Estimate angles                     | Can you estimate the degrees in a range of angles?  |   |  |
| Step 4: Measure angles up to 180            | Can you measure angles up to 180 degrees?   | ٠ | Draw given angles, and measure them in degrees (°)   |
| Step 5: Draw lines and angles accurately    | Can you draw lines and angles accurately?   |   |  |
| Step 6: Calculate angles around a point     | Can you calculate angles around a point?  | • | Identify angles at a point and 1 whole turn (total 360°)   |
| Step 7: Calculate angles on a straight line | Ca you calculate angles on a straight line?   | • | Identify: angles at a point and 1 whole turn (total 360°); angles at a point on a straight line and half a turn (total 180°)   |
| Step 8: Lengths and angles in shapes        | Can you identity lengths and angles in shapes?  | • | Identify: angles at a point and 1 whole turn (total 360°); angles at<br>a point on a straight line and half a turn (total 180°)<br>Use the properties of rectangles to deduce related facts and find<br>missing lengths and angles |
| Step 9: Regular and irregular polygons      | Can you distinguish between regular and irregular<br>polygons based on reasoning about equal sides and<br>angles? | • | Distinguish between regular and irregular polygons based on reasoning about equal sides and angles   |
| Step 10: 3-D shapes                         | Can you identify various 3-D shapes?  | • | Identify 3-D shapes, including cubes and other cuboids, from 2-<br>D representations   |
| Geometry: Position and Dire                 | ction   |   |  |
| Step 1: Read and plot coordinates           | Can you read and plot coordinates?  | • | Identify, describe and represent the position of a shape following   |
| Step 2: Problem solving with coordinates    | Can you solve problems involving coordinates?   |   | a reflection or translation, using the appropriate language, and know that the shape has not changed   |
| Step 3: Translation                         | Can you identify, describe and represent the position of a shape following translation?                           |   |  |
| Step 4: Translation with coordinates        | Can you translate shapes using coordinates?   |   |  |
| Step 5: Lines of symmetry                   | Can you identify lines of symmetry?   |   |  |

| Step 6: Reflection in horizontal and vertical lines  | Can you reflect shapes in horizontal and vertical lines?   |   |  |
|--|--|---|--|
| Number: Decimals   |  |   |  |
| Step 1: Use known facts to add and<br>subtract decimals within 1<br>Step 2: Complements to 1 | Can you use known facts to add and subtract decimals<br>within 1?<br>Can you find complements to 1 for numbers with up to<br>3 decimal places? | • | Recognise and use thousandths and relate them to tenths,<br>hundredths and decimal equivalents<br>Solve problems involving number up to 3 decimal places |
| Step 3: Add and subtract decimals across 1   | Can you add and subtract decimals across 1?  |   |  |
| Step 4: Add decimals with the same number of decimal places                                  | Can you add decimals with the same number of decimal places?   |   |  |
| Step 5: Subtract decimals with<br>the same number of decimal<br>numbers                      | Can you subtract decimals with the same number of decimal numbers?   |   |  |
| Step 6: Add decimals with<br>different numbers of decimal<br>places                          | Can you add decimals with different numbers of decimal places?   |   |  |
| Step 7: Subtract decimals with<br>different numbers of decimal<br>places                     | Can you subtract decimals with different numbers of decimal places?  |   |  |
| Step 8: Efficient strategies for adding and subtracting decimals                             | Can you explore a range of calculation strategies to<br>solve problems involving numbers up to 3 decimal<br>places?                            | • | Solve problems involving number up to 3 decimal places   |
| Step 9: Decimal sequences  | Can you combine your knowledge of number sequences<br>and decimals to explore decimal sequences?   | • | Read, write, order and compare numbers with up to 3 decimal<br>places<br>Solve problems involving number up to 3 decimal places                          |
| Step 10: Multiply by 10, 100 and 1,000   | Can you multiply whole numbers including those involving decimals by 10, 100 and 1,000?  | • | Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000  |
| Step 11: Divide by 10, 100 and 1,000   | Can you divide whole numbers including those involving decimals by 10, 100 and 1,000?  |   |  |
| Step 12: Multiply and divide decimals – missing values                                       | Can you multiply and divide decimals with missing values?  |   |  |
| Number: Negative Numbers   |  |   |  |
| Step 1: Understand negative<br>numbers   | Can you understand and interpret negative numbers in context?  | • | Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including                                  |
| Step 2: Count through zero in 1s   | Can you count backwards through zero in 1s?  |   | through zero.  |

| Step 3: Count through zero in       | Can you count backwards through zero in multiples?      |  |
|-------------------------------------|---|--|
| multiples                           |   |  |
| Step 4: Compare and order           | Can you compare and order negative numbers?             |  |
| negative numbers                    |   |  |
| Step 5: Find the difference         | Can you find the different between negative numbers?    |  |
| Measurement: Converting U           | nits  |  |
| Step 1: Kilograms and kilometres    | Can you convert between kilograms and kilometres?       | • Convert between different units of metric measure [for           |
| Step 2: Millimetres and millilitres | Can you convert between millimetres and millilitres?    | example, kilometre and metre; centimetre and metre                 |
| Step 3: Convert units of length     | Can you convert different units of length?              | centimetre and millimetre; gram and kilogram; litre and millilitre |
| Step 4: Convert between metric      | Can you convert between metric and imperial units?      | • Understand and use approximate equivalences between metric       |
| and imperial units                  |   | units and common imperial units such as inches, pounds and pints   |
| Step 5: Convert units of time       | Can you convert different units of time?                | Solve problems involving converting between units of time          |
| Step 6: Calculate with timetables   | Can you solve calculation problems with timetables?     |  |
| Measurement: Volume                 |   |  |
| Step 1: Cubic centimetres           | Can you calculate the volume using cubic centimetres?   | • Estimate volume [for example, using 1 cm3 blocks to build        |
| Step 2: Compare volume              | Can you find the volume of different shapes by counting | cuboids (including cubes)] and capacity                            |
|                                     | cubes, then decide which shape has the greater volume?  |  |
| Step 3: Estimate volume             | Can you estimate the volume of different objects?       |  |
| Step 4: Estimate capacity           | Can you estimate the capacity of different objects?     | • Estimate volume and capacity [for example, using water]          |