| Block | Topic   | Term | Number of Weeks     | Retrieval Focus |
|-------|---|------|---------------------|-----------------|
| 1     | Number and Place Value                                  |      | Estimated – 6 weeks |                 |
| 2     | Addition and Subtraction                                |      | Estimated – 6 weeks |                 |
| 3     | Multiplication and Division                             |      | Estimated – 6 weeks |                 |
| 4     | <u>Fractions</u>  |      | Estimated – 4 weeks |                 |
| 5     | Decimals and Money                                      |      | Estimated – 4 weeks |                 |
| 6     | <u>Geometry</u>   |      | Estimated – 3 weeks |                 |
| 7     | <u>Statistics</u>                                       |      | Estimated – 2 weeks |                 |
| 8     | <u>Measure – Time</u>                                   |      | Estimated – 3 weeks |                 |
| 9     | Measure – Length, Perimeter & Area , Mass<br>& Capacity |      | Estimated – 3 weeks |                 |



|   |   | Block 1   |  |  |  |  |
|---|---|---|--|--|--|--|
|   | Number and Place Value  |   |  |  |  |  |
| Substantive<br>Knowledge  | Ready to Progress   | Key Performance Indicators  | Sequence of learning<br>Detailed in Planning Overview  |  |  |  |
| National Curriculum   |   |   |  |  |  |  |
| Count in multiples of<br>25 and 1,000<br>NB multiples of 6, 7 and 9 will<br>be covered in the<br>multiplication unit. |   | Can count in multiples of 25 and 100 and explain the link between the two amounts   | *Introduction to resources  *Counting in 1,000s  *Composing 4-digit numbers and discussing column value of each digit of these numbers   |  |  |  |
| Find 1,000 more or less<br>than a given number  |   | <ul> <li>Can find 1,000 more than a given<br/>number and explain which digit changes</li> <li>Can find 1,000 less than a given number<br/>and explain which digit changes</li> </ul>                              | (including the role of 0 in a number)  *Standard and non-standard partitioning  *Recognising that there are 10 hundreds in a thousand, 100 tens in 1,000, 1,000 ones in  |  |  |  |
| Count backwards<br>through zero to include<br>negative numbers  |   | <ul> <li>Can count backwards in a range of<br/>multiples to include negative numbers<br/>and understand the value of the digits</li> </ul>  | 1,000 and using this to represent a 4-digit<br>number<br>*Finding 1,000 more or less than a given  |  |  |  |
| Recognise the place<br>value of each digit in a<br>four-digit number<br>(thousands, hundreds,<br>tens, and ones)      | 4NPV-1 Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100 4NPV-2 Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and non-standard partitioning | Can identify the number of thousands,<br>hundreds, tens and ones in a 4-digit<br>number   | number  * Comparing numbers beyond 1,000  *Ordering Numbers beyond 1,000  *Counting in 1,000s, 500s, 100s, 50s and 25s  * Positioning numbers on a blank and scaled number lines with a variety of starting and ending points and a range of increments.  *Substantial problem solving  *Rounding numbers to the nearest 10, 100 and 1,000 |  |  |  |
| Order and compare numbers beyond 1,000  | 4NPV-3 Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.  4NPV-4 Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts                      | <ul> <li>Can identify the larger of two 4-digit<br/>numbers and explain reasoning</li> <li>Can position 4-digit numbers on a<br/>number line and explain reasoning about<br/>where they are positioned</li> </ul> | *Problem Solving  *Reading and representing numbers on a number line to include negative numbers  * Reading and writing Roman numerals up to 100   |  |  |  |



| Identify, represent and estimate numbers using different representations  Round any number to the nearest 10, 100 or 1,000              | 4NPV-1 Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100 4NPV-3 Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and | <ul> <li>Can use equipment to represent numbers and to explain reasoning about the size of numbers</li> <li>Can round numbers to the nearest 10</li> <li>Can round numbers to the nearest 100</li> <li>Can round numbers to the nearest 1,000</li> <li>Can explain the rules of rounding</li> </ul> |
|---|---|---|
| Solve number and practical problems that involve all of the above and with increasingly large positive numbers                          | rounding to the nearest of each.  | Solve problems involving place value, including word problems and problems linked to money and measure  |
| Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value. |   | <ul> <li>Can read Roman numerals to 100</li> <li>Can understand how the numeral system developed over time</li> </ul>   |



|  |   | Block 2  |  |
|--|---|--|--|
|  |   | Addition and Subtraction   |  |
| Substantive Knowledge  National Curriculum   | Ready to<br>Progress  | Key Performance Indicators   | Sequence of learning<br>Detailed in Planning Overview  |
| Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate | 4NF-3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100), | <ul> <li>Can use place value to calculate mentally</li> <li>Can add and subtract multiples of 1, 10, 100 and 1,000</li> <li>Can subtract by finding the difference</li> <li>Can calculate mentally by reordering</li> <li>Can use a written methods to add two 4-digit numbers, including bridging 10 and 100</li> <li>Can use a written methods to subtract two 4-digit numbers, including bridging 10 and 100</li> <li>Can use a written methods to add and 3 and 4-digit number together, including bridging 10 and 100</li> <li>Can use a written methods to subtract a 3-digit number from a 4-digit number, including bridging 10 and 100</li> <li>Can reflect on when it is appropriate to use a standard written method in an addition or subtraction calculation with up to 4 digits</li> </ul> | *Scaling known facts by 10 and 100 to create related facts *Adding and Subtracting Using Place Value *Adding and Subtracting Using Partitioning *Adding 1 digit to a 3 or 4-digit number using bridging *Adding a multiple of 10 to a 3 or 4-digit number using bridging *Adding a multiple of 100 to a 4-digit number using bridging *Subtracting 1 digit from a 3 or 4-digit number using bridging *Subtracting a multiple of 10 from a 3 or 4-digit number using bridging *Subtracting a multiple of 100 from a 4-digit number using bridging *Using the concept of 'finding the difference' within subtraction *Understanding the inverse relationship between addition and subtraction and generating fact families *Using inverse operations within addition and subtraction to check calculations *Adding using partitioning and bridging *Adding using near doubles * Compensating |
| Estimate and use inverse operations to check answers to a calculation  |   | <ul> <li>Can estimate the answer of an addition or<br/>subtraction up to 4 digits</li> <li>Can use addition and subtraction to<br/>calculate the inverse</li> </ul>  | *Reordering calculations to look for known facts and aid efficiency *Estimation *Standard written method of addition *Standard written method of subtraction   |
| Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.                  |   | <ul> <li>Can identify whether a word problem needs to be solved using addition, subtraction or combination of both</li> <li>Can identify the most appropriate method of calculation to use to solve a problem</li> <li>Can use a calculation skill in a problem using units of measure (km, m, cm, mm, kg, g, l, ml, hours, minutes and seconds)</li> </ul>  | *Adjusting (consider which children can grasp and retain this method)  *Reflecting on the most efficient strategy  *Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.  |



|  | Block 3   |   |  |  |
|--|---|---|--|--|
|  |   | Multiplication and Division   |  |  |
| Substantive Knowledge  | Ready to Progress   | Key Performance Indicators  | Sequence of learning<br>Detailed in Planning Overview  |  |
| National Curriculum  Recall multiplication and division facts for multiplication tables up to 12 × 12  | 4NF–1 Recall multiplication and division facts up to 12x12 and recognise products in multiplication tables as multiples of the corresponding number.  | <ul> <li>Can explain how to use known facts to derive others</li> <li>Can recall the 2x 5x 10x tables from Year 2</li> <li>Can recall the 3x 4x 8x tables from Year 3</li> <li>Can recall the 6x table</li> <li>Can recall the 7x table</li> <li>Can recall the 9x table</li> <li>Can recall the 11x table</li> <li>Can recall the 12x table</li> <li>Can derive related division facts</li> <li>Understands that division cannot be done in any order</li> </ul>         | *Recap 2, 5 and 10 times tables including patterns and generalisations *Recap 4, 8 and 3 times tables including patterns and generalisations *Teach 6, 12, 9, 11 and 7 times tables *Links and the development of multiplication *Commutative, inverse and fact families. Solve missing box calculations using known facts and inverse operations *Multiplying by 10 and 100 *Dividing by 1, 10 and 100 *Using scaling numbers by 10 and 100 to solve calculations using known facts *Doubling and halving *Compensating *Distributive Law *Multiplying 3 numbers using the most efficient strategy *Additional mental strategies *Find factors of numbers using a systematic approach *Factorising *Solving problems including using scaling and correspondence *Written strategy for multiplication (Check school calculation policy) * Division if stated in school calculation |  |
| Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers | 4NF-3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100)  4MD-1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size.  4MD-3 Understand and apply the distributive property of multiplication | <ul> <li>Understands how a multiplication fact can be used to multiply by a multiple of 10</li> <li>Understands how a multiplication fact can be used to multiply by a multiple of 100</li> <li>Understands how to multiply 3 one-digit numbers together</li> <li>Understands the effect of multiplying by 1 and 0</li> <li>Understands the effect of dividing by 1</li> <li>Understands how a multiplication fact can be used to solve a division calculation</li> </ul> |  |  |



| Recognise and use factor pairs and commutativity in mental calculations   | 4MD-2 Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication.  | <ul> <li>Can identify factors of a 2-digit number</li> <li>Understands that multiplication can be done in any order</li> </ul>  | *Solve a range of problems using multiplication and division using an efficient strategy.  *Solve multi-step problems involving all 4 operations. Choose an efficient method for calculating and explain |
|---|---|---|--|
| Multiply two-digit and three-<br>digit numbers by a one-digit<br>number using formal written<br>layout  | 4MD–1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size. | <ul> <li>Can use a formal written method to multiply TU by O</li> <li>Can use a formal written method to multiply HTO by O</li> </ul>   | which methods have been used.  |
| Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects. | 4NF-2 Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders   | <ul> <li>Can solve word problems involving multiplication</li> <li>Can solve word problems involving division</li> <li>Can solve scaling problems involving measures</li> <li>Can solve correspondence problems e.g. There are 3 starters, mains and desserts on a menu, how many possible meals could you have?</li> </ul> |  |



|   |   | Block 4  |   |
|---|---|--|---|
|   |   | Fractions  |   |
| Substantive Knowledge   | Ready to Progress   | Key Performance Indicators   | Sequence of learning<br>Detailed in Planning Overview   |
| National Curriculum   |   |  | 1.2   |
| Recognise and show, using diagrams, families of common equivalent fractions | 4F–1 Reason about the location of mixed numbers in the linear   | Can use multiplication to generate equivalent fractions.      Can simplify fractions using common factors. | *Recapping children's prior knowledge<br>of fractions<br>*Investigating using pictorial or  |
| common equivalent fractions   | number system  4F-2 Convert mixed numbers to  | Can simplify fractions using common factors  | practical resources how to make a whole   |
|   | improper fractions and vice versa.  |  | *Placing fractions on a O-1 number line   |
| Solve problems involving  |   | Can use unit fractions to solve a problem.   | *Placing mixed numbers and improper   |
| increasingly harder fractions   |   | <ul> <li>Can use non-unit fractions to solve a problem.</li> </ul>   | fractions on a number line  |
| to calculate quantities, and  |   |  | Converting mixed numbers and  |
| fractions to divide quantities,   |   |  | improper fractions  |
| including non-unit fractions  |   |  | *Equivalent fractions using   |
| where the answer is a whole   |   |  | multiplication  |
| number  |   |  | *Finding fractions of an amount (unit   |
| Add and subtract fractions with the same denominator                        | 4F-3 Add and subtract improper<br>and mixed fractions with the<br>same denominator, including<br>bridging whole numbers | Can add and subtract fractions with a common denominator   | *Finding fractions of an amount (unit and non-unit fractions)  *Adding fractions with the same denominator (total may exceed one whole)  *Subtracting fractions with the same denominator (start number may be more than one whole) |



|  |   | Block 5  |  |
|--|---|--|--|
|  |   | Decimals and Money   |  |
| Substantive Knowledge  National Curriculum   | Ready to Progress   | Key Performance Indicators   | Sequence of learning<br>Detailed in Planning<br>Overview   |
| Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.                    |   | <ul> <li>Understands hundredths are dividing an object or a number into 100 equal parts.</li> <li>Understand tenths are dividing an object or a number into 10 equal parts.</li> <li>Understands hundredths can be made by dividing tenths into 10 equal parts.</li> <li>Can find and place hundredths on a number line.</li> <li>Can use hundredths in money and measure</li> <li>Can compare and order numbers to 2dp</li> </ul> | *Recap year 3 decimals unit and look at counting in tenths *Using money, base 10 or a bead string investigate a hundredth as a fraction and a decimal (1 out of 100 beads is $\frac{1}{100}$ or 0.01 because we have 1 in the hundredth column *Count up and down in |
| Recognise and write decimal equivalents of any number of tenths or hundredths  |   | <ul> <li>Can identify and calculate <sup>1</sup>/<sub>10</sub> as a decimal</li> <li>Can identify the pattern when finding other tenths.</li> <li>Can identify and calculate <sup>1</sup>/<sub>100</sub> as a decimal</li> <li>Can identify the pattern when finding other hundredths.</li> </ul>  | hundredths *Compare and order decimals *Positioning hundredths on a number line and using this to order and compare decimals   |
| Recognise and write decimal equivalents to ¼, ½ and ¾  |   | <ul> <li>Can recall decimal equivalent to <sup>1</sup>/<sub>2</sub></li> <li>Can recall decimal equivalent to <sup>1</sup>/<sub>4</sub></li> <li>Can recall decimal equivalent to <sup>3</sup>/<sub>4</sub></li> </ul>   | to 2 dp *Rounding Decimals *Dividing a 1 or 2-digit number by 10 or 100 and reading the  |
| 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 | 4MD-1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size. | <ul> <li>Can explain the effect of dividing a one-digit number by 10</li> <li>Can explain the effect of dividing a two-digit number by 10</li> <li>Can explain the effect of dividing a one-digit number by 100</li> <li>Can explain the effect of dividing a two-digit number by 100</li> </ul>   | answer as ones, tenths and hundredths *Identifying where 0.5, 0.25 and 0.75 would be on a number line and discussing that these are positioned at $\frac{1}{2}$ , $\frac{1}{4}$ and $\frac{3}{4}$ *Solve problems involving  |
| Round decimals with one decimal place to the nearest whole number  |   | Can identify the nearest whole number to a one decimal place number.   | money  |



| Compare numbers with the same number of decimal places up to two decimal places                 | Can compare and order 1 dp numbers on a number line. Can compare 2dp numbers on a number line  |
|---|--|
| Estimate, compare and calculate different measures, including money in pounds and pence         | <ul> <li>Can use decimal place value knowledge to compare different measures.</li> <li>Can calculate with measures</li> </ul>  |
| Solve simple measure and money problems involving fractions and decimals to two decimal places. | <ul> <li>Knows how many 10ps are in a £1</li> <li>Knows how many 1ps are in a £1</li> <li>Knows how many centimetres are in a metre.</li> <li>Can solve problems involving money to 2dp</li> <li>Can solve problems involving length to 2dp</li> </ul> |



|  |   | Block 6   |   |
|--|---|---|---|
|  |   | Geometry  |   |
| Substantive Knowledge  National Curriculum   | Ready to Progress   | Key Performance Indicators  | Sequence of learning<br>Detailed in Planning Overview   |
| Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes | 4G–2 Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal and the angles are equal. Find the perimeter of regular and irregular polygons. | Can recall and recognise in a variety of shapes that:  • an equilateral triangle has three equal sides and three equal angles  • isosceles triangles have two equal sides and two equal angles  • right angled triangles have one right angle  • scalene triangles have no equal sides and no equal angles  • triangles cannot have more than one obtuse angle  • squares have four equal sides and four right angles  • rectangles have two pairs of equal and parallel sides and four right angles  • parallelograms have two pairs of equal and parallel sides  • rhombuses have four equal sides, two pairs of parallel sides  • trapeziums have one pair of parallel sides  • kites have two pairs of equal sides which are adjacent, two equal angles  • Can recall the names of other polygons and their associated numbers of sides | *Recap 2D shape – names and properties of shapes (regular and irregular shapes) *Recognising angles (obtuse, acute and right angles) *Comparing angles *Identifying angles in shapes *Investigating triangles, classifying and sorting *Investigating quadrilaterals, classifying and sorting *Investigating symmetrical patterns (one line of symmetry, 2 lines of symmetry, line of symmetry parallel to gridlines, line of symmetry at an angle to the gridlines) *Exploring symmetry in shapes *Complete a simple symmetric figure with respect to a specific line of symmetry *Using coordinates to position |
| Identify acute and obtuse<br>angles and compare and<br>order angles up to two right<br>angles by size              |   | <ul> <li>Can identify acute angles on their own and within shapes</li> <li>Can identify obtuse angles on their own and within shapes</li> <li>Can compare two or more angles up to 180°</li> </ul>  | points and to read the position of points using the language of x and y axis  *Can use knowledge of properties of shapes to plot a missing coordinate of a given polygon  |



| Identify lines of symmetry<br>in 2-D shapes presented in<br>different orientations                 | 4G–3 Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry. | <ul> <li>Can recall and recognise in different shapes that:</li> <li>A square has four lines of symmetry</li> <li>A rectangle has two lines of symmetry</li> <li>A rhombus has two lines of symmetry</li> <li>A parallelogram has no lines of symmetry</li> <li>A trapezium may or may not have a line of symmetry</li> <li>A kite has one line of symmetry</li> <li>An equilateral triangle has three lines of symmetry</li> <li>An isosceles triangle has one line of symmetry</li> <li>A regular polygon has the same of lines of symmetry as it has sides</li> </ul> | *Can use the language of coordinates and positional language to describe how a shape has been translated *Can translate a shape when given coordinates and positional language *Substantial problem solving |
|--|---|--|---|
| Complete a simple symmetric figure with respect to a specific line of symmetry                     |   | Can complete a pattern drawn on a square grid with:  one line of symmetry drawn parallel to the gridlines  one line of symmetry drawn at an angle to the gridlines  two lines of symmetry  |   |
| Describe positions on a 2-D grid as coordinates in the first quadrant                              |   | <ul> <li>Can distinguish between the x and y axis.</li> <li>Can draw a pair of axes in one quadrant with equal scales and integer labels.</li> </ul>   |   |
| Describe movements between positions as translations of a given unit to the left/right and up/down | 4G–1 Draw polygons, specified<br>by coordinates in the first<br>quadrant, and translate within<br>the first quadrant  | <ul> <li>Can describe position of a vertex of a 2D shape in the first quadrant using a pair of coordinates.</li> <li>Can translate a shape using left/right and up/down</li> </ul>   |   |
| Plot specified points and draw sides to complete a given polygon                                   |   | Can use properties of shape to complete the vertices of a simple shape.  |   |



|   | Block 7   |   |   |  |
|---|---|---|---|--|
|   |   | Statistics  |   |  |
| Substantive Knowledge  National Curriculum  | Ready to Progress   | Key Performance Indicators  | Sequence of learning Detailed in Planning Overview  |  |
| Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. | No specific Ready to<br>Progress statements for<br>statistics but use the<br>opportunity to<br>consolidate prior<br>statements as<br>appropriate e.g 4NPV-4<br>Divide 1,000 into 2, 4, 5<br>and 10 equal parts, and | <ul> <li>Understands which is the best method of recording data e.g. compare data presented in a bar chart and line graph and reason as to which is the most effective</li> <li>Can use an appropriate scale when representing data</li> <li>Can answer questions from a range of different graphs e.g. In which months was the temperature below 10°C?</li> </ul>                  | *Draw and interpret pictograms  *Draw and interpret bar charts  *Answer questions from a range of different graphs – using discrete data  *Solve comparison, sum and difference problems using information presented in charts  *Introduce continuous data and discuss how this is different to discreet  *Represent continuous data as a line graph (link to |  |
| Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. | read scales/number lines<br>marked in multiples of<br>1,000 with 2, 4, 5 and 10<br>equal parts  | <ul> <li>Can answer questions from a bar chart that involve comparison, sum and difference</li> <li>Can answer questions from a pictogram that involve comparison, sum and difference</li> <li>Can answer questions from a table that involve comparison, sum and difference</li> <li>Can answer questions from a line graph that involve comparison, sum and difference</li> </ul> | science/topic)  *Read and interpret a range of line graphs and answer questions on the data  * Answer questions from a range of different graphs – using discrete data  *Collect continuous data and choose how to present this and with what scale  *Problem solving   |  |



| Block 8 Measure – Time  |  |   |  |  |  |
|---|--|---|--|--|--|
|   |  |   |  |  |  |
| Convert between different units of measure [for example, kilometre to metre; hour to minute]  Read, write and convert |  | <ul> <li>Knows and understands the relationships between familiar units of measurement</li> <li>Can use multiplication and division to aid conversion</li> <li>Can convert an hour into minutes and vice versa</li> <li>Can suggest the most appropriate unit of measure</li> <li>Can read and understand 24-hour time</li> </ul> | *Reading and writing time on analogue clocks *Reading and writing time on digital clocks and converting time between analogue and digital 12- hour clocks *Reading and writing time on 24-hour clocks and converting from 12-hour to 24-hour digital clocks and analogue clocks *Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days |  |  |
| time between analogue and digital 12- and 24-hour clocks  Solve problems involving converting from hours to           |  | <ul> <li>Can relate 24 hr notation to am and pm         Can covert 12 hr into 24 hour and vice versa     </li> <li>Can solve problems involving familiar conversions</li> </ul>   | *Making links and consolidation  |  |  |
| minutes; minutes to seconds; years to months; weeks to days   |  | Can interpret the answer in more than one measure   |  |  |  |



| Block 9  |   |  |  |  |  |  |
|--|---|--|--|--|--|--|
| Measure – Length, Perimeter, Area, Capacity & Mass   |   |  |  |  |  |  |
| Substantive<br>Knowledge<br>National Curriculum  | Ready to Progress   | Key Performance Indicators   | Sequence of learning<br>Detailed in Planning Overview  |  |  |  |
| Convert between<br>different units of<br>measure [for example,<br>kilometre to metre;<br>hour to minute]   | No specific Ready to Progress statements for Length and Perimeter but use the opportunity to consolidate prior statements as appropriate e.g. 4NPV-3 Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the | <ul> <li>Knows and understands the relationships between familiar units of measurement</li> <li>Can use multiplication and division to aid conversion.</li> <li>Can convert km into m and vice versa.</li> <li>Can convert I into ml and vice versa.</li> <li>Can convert g into kg and vice versa</li> <li>Can suggest the most appropriate unit of measure.</li> </ul> | *Recap tools and language of measure.  *Recap units of measure and which units are used to measure different things.  *Convert between different units of measure [for example, kilometre to metre, mm to cm]  *Convert between different units of measure [g to kg]  *Convert between different units of measure [I to ml]  *Estimate, compare and calculate different measures  *Problem solving around the concepts covered  *Calculate the perimeter of a regular shape  *Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.  *Find the area of rectilinear shapes by counting squares |  |  |  |
| Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. | nearest of each.  NPV-4 Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts  4MD-1 Multiply and divide whole  | <ul> <li>Can measure sides of a rectangle to calculate the perimeter.</li> <li>Can generalise about the perimeter of a rectangle using words and symbols.</li> <li>Can use the formulae 2(L+W) to calculate perimeter of a rectangle.</li> <li>Can work out the perimeter of irregular shapes.</li> </ul>  |  |  |  |  |
| Find the area of rectilinear shapes by counting squares  | numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size.   | <ul> <li>Can relate area to arrays and multiplication.</li> <li>Can find the area of a rectangle by counting squares.</li> <li>Can generalise about the area of a rectangle using words and symbols.</li> </ul>  |  |  |  |  |
| Estimate, compare and calculate different measures, including money in pounds and pence                    |   | <ul> <li>Can use decimal place value knowledge to compare different measures.</li> <li>Can calculate with measures</li> <li>This is covered within Decimals &amp; Money Block</li> </ul>   |  |  |  |  |

