

| Year 4            | Wk 1                                                                                                                                                                                                                                                                                                            | Wk2                                                                                                                                                                                                         | Wk 3                                                                                                                                                                                                                             | Wk 4                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Wk 5                                                                                                                                                                                                                                         | Wk 6                                                           | Wk 7                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Autumn 1          | Place Value to 10,000                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                             | Addition and subtraction                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Multiplication                                                                                                                                                                                                                               |                                                                | Division                                                                                                                                                                                                                                                     |
| <b>Objectives</b> | <p>To understand place value in a 4-digit number.</p> <p>To count in thousands, hundreds and twenty-fives.</p> <p>To count in thousands, hundreds, tens and ones (using different representations e.g. dienes and place value counters and partitioning).</p> <p>To compare and order numbers (of 4-digits)</p> | <p>To make number patterns (1000, 100, 10, 1 more and less).</p> <p>To round numbers to the nearest 1000.</p> <p>To round numbers to the nearest 10, 100 and 1000.</p> <p>To round numbers to estimate.</p> | <p>To find totals and sums.</p> <p>To add without regrouping</p> <p>To add with grouping (in the ones column).</p> <p>To add with regrouping (in tens and ones).</p> <p>To add with regrouping (in hundreds, tens and ones).</p> | <p>To subtract without regrouping (column subtraction).</p> <p>To subtract with regrouping (in tens and ones).</p> <p>To subtract with regrouping (in hundreds, tens and ones).</p> <p>To subtract with regrouping.</p> <p>To add using mental strategies (making tens, hundreds and thousands).</p> <p>To add using mental strategies.</p> <p>To find the difference. <ul style="list-style-type: none"> <li>To subtract using mental strategies</li> </ul> </p> | <p>To multiply by 0 and 1.</p> <p>Multiplying the same two Numbers to understand commutativity.</p> <p>To multiply with multiples of 10. Multiply by 100.</p> <p>Distributive law.</p> <p>Recognise and apply knowledge of factor pairs.</p> | <p>To be able to use a written method to multiply numbers.</p> | <p>Week on formal written method</p> <p>At first, use counters method when using the written method at first (guidance powerpoint available if needed). One carry only</p> <p>Lesson 2: 2 carries</p> <p>Lessons 3 and 4 move away from use of counters.</p> |

|            | Wk 1                                                                                                                                                                                                                                                                                                                        | Wk 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Wk 3                                                                                                                                                                                                                                                                                                                                                        | Wk 4       | Wk 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Wk 6 | Wk7 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|
| Autumn 2   | Fractions                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                             | Assessment | Shape                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |     |
| Objectives | <p>Order and compare fractions – same denominators.</p> <p>Add and subtract fractions with the same denominator.</p> <p>Making whole fractions.</p> <p><b>New learning – include mixed number such as <math>3\frac{4}{5} - 2\frac{2}{5} =</math> (Ensure the denominators are the same and do not need converting).</b></p> | <p>Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</p> <p>Recognise value of tenths as fractions and decimals on a number line (relate to half/less than half)</p> <p>Count up and down in hundredths, recognise hundredths arise when dividing by 100 and dividing tenths by 10</p> <p>Compare numbers with the same number of decimal places up to 2 DP.</p> | <p>(2 lessons)</p> <p>Recognise and show, using diagrams such as fraction walls, equivalent fractions with small denominators, e.g. <math>\frac{1}{2} = \frac{2}{4} = \frac{4}{8}</math></p> <p>Recognise, find and write fractions of a discrete set of objects, unit fractions with small denominators (fractions of amounts both unit and non-unit).</p> |            | <p><b>Complete a simple symmetric figure with specific line of symmetry</b></p> <p><b>Identify vertical and horizontal lines and pairs of parallel and perpendicular lines in 2d shapes</b></p> <p><b>Identify line of symmetry in 2d shapes</b></p> <p>Continue to recognise 3d shapes<br/>Compare and classify geometric shapes including quadrilaterals, triangles, properties, sizes.</p> <p>Use vocabulary of different types of triangle and quadrilateral.</p> <p>Classify 3d shapes, and identify the 2d surface shape.</p> <p>Identify acute and obtuse angles and relate these to greater and less than a right angle</p> <ul style="list-style-type: none"> <li>• Compare and order angles up to 2 right angles</li> <li>• Reason identification of angles by size.</li> </ul> |      |     |

|            | Wk 1                                                                                                                                                                                                                                                                                                                                                                             | Wk 2 | Wk 3                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk 4 | Wk 5                                                                                                                                                                                                                           | Week 6                                                                                                                                                                            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Spring 1   | Time                                                                                                                                                                                                                                                                                                                                                                             |      | Mass, volume and length                                                                                                                                                                                                                                                                                                                                                                                                |      | Fractions and decimals.                                                                                                                                                                                                        |                                                                                                                                                                                   |
| Objectives | <p>Read, write and convert time between analogue and digital 12- and 24-hour clocks</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.</p> <p>Convert from larger to small units of time (e.g. how many minutes in an hour and half, how many days until end of term, how many days they have been alive)</p> |      | <p>To measure height.</p> <p>To measure length (Choose appropriate units of measure to record length)</p> <p>To measure mass (include reading scales)</p> <p>To measure volume.</p> <p>To convert units of mass. (g and kg)</p> <p>To convert units of volume. (ml and l)</p> <p>To convert units of length (mm, cm, m and km)</p> <p>Compare, add and subtract lengths (mm, cm and m); mass (kg/g); volume (ml/l)</p> |      | <p>Use factors and multiples to recognise equivalent fractions and simplify where appropriate</p> <p>Recognise and show families of common equivalent fractions</p> <p>Fractions of amounts (unit and non-unit fractions).</p> | <p>Order and compare decimal numbers</p> <p>Round decimals with 1DP to nearest whole.</p> <p>Solve simple measure and money problems involving fractions and decimals to 2dp.</p> |

|                   | Wk 1                                                                                                       | Wk 2 | Wk 3                                                                                                                                                                                                                                                                                                                            | Wk 4       | Wk 5                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Spring 2</b>   | Calculations (recap)                                                                                       |      | Money<br><br>(cover in calculations too)                                                                                                                                                                                                                                                                                        | Assessment | Area and perimeter                                                                                                                                                                                              |
| <b>Objectives</b> | <p>Written methods recap on all four operations (multiply and divide).</p> <p>x and ÷ by 10, 100, 1000</p> |      | <p>Convert between pound and pence, e.g. 120p = £1.20</p> <p>Add and subtract amounts of money in pounds and pence, including in decimal form</p> <p>Record money using decimal notation</p> <p>Estimate and compare money</p> <p>Calculate with money in pounds and pence.</p> <p>On addition and subtraction of decimals.</p> |            | <ul style="list-style-type: none"> <li>• Measure the area of 2d shapes</li> <li>• Find the area of rectilinear shapes by counting squares</li> </ul> <p>Measure perimeter of rectilinear shapes in cm and m</p> |

|            | Wk 1                                                                                                                                                                                                                                                                      | Week 2                                                                                                                                                                                                                                                 | Week 3 | Wk 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Wk 5 | Wk 6 | Wk 7                                                                                                                                                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Summer 1   | Statistics                                                                                                                                                                                                                                                                | Position and direction                                                                                                                                                                                                                                 |        | Fractions (recap)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      | Area and perimeter                                                                                                                                                                                                                                       |
| Objectives | <p>Interpret discrete and continuous data</p> <p>Present discrete and continuous data using appropriate graphical methods, include bar charts and time graphs.</p> <p>Solve comparison, sum and difference problems for bar charts, pictograms, tables, other graphs.</p> | <p>Describe positions on a 2D grid as coordinates in the first quadrant.</p> <p>Plot specified points and draw sides to complete a given polygon.</p> <p>Describe movement between positions as translations of a given unit – left/right, up/down</p> |        | <p>Use factors and multiples to recognise equivalent fractions and simplify where appropriate<br/>Recognise and show families of common equivalent fractions</p> <p>Fractions of amounts (unit and non-unit fractions).</p> <p>Count up and down in tenths and hundredths</p> <p>Order and compare decimal numbers</p> <p>Round decimals with 1DP to nearest whole.</p> <p>New learning – include mixed number such as <math>3\frac{4}{5} - 2\frac{2}{5} =</math></p> <ul style="list-style-type: none"> <li>(Ensure the denominators are the same and do not need converting).</li> </ul> |      |      | <ul style="list-style-type: none"> <li>Measure the area of 2d shapes</li> <li>Find the area of rectilinear shapes by counting squares</li> <li>Measure perimeter of rectilinear shapes in cm and m</li> <li>Apply to word problems.</li> <li></li> </ul> |

|            | Wk 1                                                                               | Wk 2 | Wk 3            | Wk4                                                                                                                                                                                                                                | Wk 5 | Wk 6                                                                                                                                                              | Wk 7                                                                                                                                                                                                                         |
|------------|------------------------------------------------------------------------------------|------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Summer 2   | Calculations (recap)                                                               |      | Assessment week | Measures (recap)                                                                                                                                                                                                                   |      | Year 5 Place Value                                                                                                                                                | Year 5 Place Value                                                                                                                                                                                                           |
| Objectives | Written methods recap on all four operations (add, subtract, multiply and divide). |      |                 | <p>To convert units of mass. (g and kg)</p> <p>To convert units of volume. (ml and l)</p> <p>To convert units of length (mm, cm, m and km)</p> <p>Compare, add and subtract lengths (mm, cm and m); mass (kg/g); volume (ml/l)</p> |      | <p>Partition Numbers up to 100,000</p> <p>Read and write numbers up to 100,000.</p> <p>Compare numbers of up to 100,000</p> <p>Order numbers of up to 100,000</p> | <p>Round numbers to the nearest 1000</p> <p>Round numbers to the nearest 10, 100 and 1000.</p> <p>Adding and subtracting 100 from a given 5-digit number.</p> <p>Adding and subtracting 1000 from a given 6-digit number</p> |