**Term by Term Objectives Year 4**

**Yearly Overview**

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|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | | Week 9 | Week 10 | Week 11 | | Week 12 |
| Autumn | Place Value | | | | Number – addition and subtraction | | Number – Multiplication and Division | | | | | Measures – shape and Area | | |
| Spring | Multiplication and Division (review to link into fractions) | Fractions | | | | | Decimals | | | | Measures – money/time | | | |
| Summer | Measures – area and perimeter (rectilinear shapes/triangles) | | | | Geometry - Angles | | Geometry – Position and Direction | | Statistics | | | | Assessment, review of key concepts – focus on number. | |

Autumn

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| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
| **Place Value**  I recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).  I can order and compare numbers beyond 1000 identify, represent and estimate numbers using different representations.  I can find 1000 more or less than a given number.  I can count in multiples of 6, 7, 9, 25 and 1000.    I can count backwards through zero to include negative numbers.  I can round any number to the nearest 10, 100 or 1000.  I can solve number and practical problems that involve all of the above and with increasingly large positive numbers.  I can 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. | | | | **Addition and Subtraction**  I can add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.  I can estimate and use inverse operations to check answers to a calculation solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.  I can solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. | | **Multiplication and Division**  I can recall multiplication and division facts for multiplication tables up to 12 × 12.  I can 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.  I can recognise and use factor pairs and commutativity in mental calculations.  I can multiply two-digit and three-digit numbers by a one-digit number using formal written layout.  I can 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. | | | | **Shape and Area**  I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.  I can identify lines of symmetry in 2-D shapes presented in different orientations.  I can find the area of rectilinear shapes by counting squares.  I can find the area of rectilinear shapes by multiplying length x width (l x w). | |

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| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
| **Multiplication and Division – review prior to fractions**  I can recall multiplication and division facts for multiplication tables up to 12 × 12.  I can recognise and use factor pairs and commutativity in mental calculations.  I can multiply two-digit and three-digit numbers by a one-digit number using formal written layout. | **Fractions**  I can recognise and show, using diagrams, families of common equivalent fractions.  I can count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.  I can solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.  I can add and subtract fractions with the same denominator.  I can recognise and write decimal equivalents of any number of tenths or hundredths.  I can recognise and write decimal equivalents to ¼ ½ ¾.  I can 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. | | | | | **Decimals**  I can round decimals with one decimal place to the nearest whole number.  I can compare numbers with the same number of decimal places up to two decimal places.  I can solve simple measure and money problems involving fractions and decimals to two decimal places. | | | **Money/Time**  I can estimate, compare and calculate different measures, including money in pounds and pence.  I can read, write and convert time between analogue and digital 12- and 24- hour clocks.  I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. | | |

Spring

Summer

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| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
| **Area and Perimeter**  I can find the area of rectilinear shapes by counting squares – refresh from autumn term.  I can find the area of rectilinear shapes by multiplying length x width (l x w).  I can find the area of triangles by multiplying height x base divided by 2.  I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. | | | | **Angles**  I can identify acute and obtuse angles.  I can compare and order angles up to two right angles by size.  I can find angles within 2D shapes, including rectilinear shapes. | | **Position and Direction**  I can describe positions on a 2-D grid as coordinates in the first quadrant.  I can describe movements between positions as translations of a given unit to the left/right and up/down.  I can plot specified points and draw sides to complete a given polygon. | | **Statistics**  I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.  I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. | | **Assessment/Review of key concepts** | |