**Term by Term Objectives Year 4**

 **Yearly Overview**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 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

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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). |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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** |