|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
| **Aut** | Place Value | Addition and Subtraction | Area | Multiplication and Division A | Consolidation | Consolidation | Assessment Week |
| **Spr** | Multiplication and Division B | Length and Perimeter | Fractions | Decimals A | Consolidation |  |
| **Sum** | Decimals B | Money | Time | Consolidation | Shape | Statistics | Position and Direction | Consolidation |  |

**Autumn Term:** **Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

|  |  |  |
| --- | --- | --- |
|  | **Autumn 1** | **Autumn 2** |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
|  | **Place Value** | **Addition and Subtraction** | **Area** | **Multiplication and Division A** | **Consolidation** | **Consolidation**  | **Assessment****Week** |
| **Small Steps (WRM)** | Represent numbers to 1,000Partition numbers to 1,000Number line to 1,000Thousands | Represent numbers to 10,000Partition numbers to 10,000Flexible partitioning of numbers to 10,000Find 1, 10, 100, 1,000 more or less | Number line to 10,000Estimate a number line to 10,000Compare numbers to 10,000Order numbers to 10,000Roman numerals | Round to the nearest 10Round to the nearest 100Round to the nearest 1,000Round to the nearest 10, 100 or 1,000 | Add and subtract 1s, 10s, 100s and 1,000sAdd up to two 4-digit numbers – no exchangeAdd two 4-digit numbers – one exchange  | Add two 4-digit numbers – more than one exchange Subtract two 4-digit numbers – no exchangeSubtract two 4-digit numbers - one exchange | Subtract two 4-digit numbers – more than one exchange Efficient subtractionEstimate answersChecking strategies  | What is area?Count squaresMake shapesCompare areas | Multiples of 3Multiply and divide by 6Times table and division facts Multiply and divide by 9 | 9 times table and division factsThe 3, 6 and 9 times tablesMultiply and divide by 77-times table and division facts  | 11-times table and division facts 12 times table and division facts Multiply by 1 and 0Divide a number by 1 and itselfMultiply three numbers |  |  |  |
| **Supporting Resources** | **NCETM Spine:** 1.17 (count in 25s), 1.22, 1.27 (negative numbers) | **NCETM Spine**: 1.22 (TP 3 add sub 1s,10s,100s,1000s and TP5). Refer back to 1.20 and 1.21 for introducing written methods. | **NCETM Spine:** 2.16 | **NCETM Spine:** 2.6 (TP5 for x ÷ 0 and 1), 2.8 (6x and 9x), 2.9 (7x), 2.13 (x ÷ 10,100) |  |  |  |
| **Vocab** | Digit, tens, ones, hundreds, thousands, ten thousands, regrouping, compose, decompose, place holder, ascending, descending  | Addition, add, sum, plus, addend, commutative, associative, carry over, exchange, subtrahend, minuend, difference, minus, take away, column subtraction / addition  | Area, square centimetre, estimate, partition, comparison  | Multiply, product, factor, array, time, repeated addition, commutative, associative, distributive, divide, quotient dividend, divisor, remainder, equal group |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
| **Aut** | Place Value | Addition and Subtraction | Area | Multiplication and Division A | Consolidation | Consolidation | Assessment Week |
| **Spr** | Multiplication and Division B | Length and Perimeter | Fractions | Decimals A | Consolidation |  |
| **Sum** | Decimals B | Money | Time | Consolidation | Shape | Statistics | Position and Direction | Consolidation |  |

**Spring Term:** **Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

|  |  |  |
| --- | --- | --- |
|  | **Spring 1** | **Spring 2** |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
|  | **Multiplication and Division B** | **Length and Perimeter** | **Fractions** | **Decimals A** | **Consolidation**  | **Assessment****Week** |
| **Small Steps (WRM)** | Factor pairsUse of factor pairsMultiply by 10Multiply by 100Divide by 10 | Divide by 100Related factsInformal written methods for multiplication Multiply a 2-digit number by a 1-digit numberMultiply a 3-digit number by a 1-digit number | Divide a 2-digit number by a 1-digit number (1)Divide a 2-digit number by a 1-digit number (2)Divide a 3-digit number by a 1-digit numberCorrespondence problems Efficient multiplication  | Measure in Km an mEquivalent lengths (Km & m)Perimeter on a gridPerimeter of a rectangle Perimeter of rectilinear shapes  | Find missing lengths in rectilinear shapes Calculate the perimeter of rectilinear shapes Perimeter of regular polygonsPerimeter of polygons  | Understand the wholeCount beyond 1Partition a mixed numberNumber lines with mixed numbers | Compare and order mixed numbersUnderstand improper fractions Convert mixed numbers to improper fractions Convert improper fractions to mixed numbers  | Equivalent fractions on a number lineEquivalent fraction familiesAdd two or more fractions Add fractions and mixed numbers  | Subtract two fractions Subtract from whole amountsSubtract from mixed numbers  | Tenths as fractions Tenths as decimals Tenths on a place value chart | Tenths on a number lineDivide a 1-digit number by 10Divide a 2-digit number by 10Hundredths as fractions  | Hundredths as decimals Hundredths on a place value chartDivide a 1- or 2-digit number by 100 |  |  |
| **Supporting Resources** | **NCETM Spine:** 2.10 (factor pairs), 2.11 (11x, 12x & efficient mult), 2.14 (multiplication) 2.15 (division) 2.12 (remainders) | **NCETM Spine**: 2.16 | **NCETM Spine:** May need to visit 3.0 (KS1 fractions) & Year 3 for intro. 3.4 (add and sub fractions) 3.7 (equiv - TP1 & TP2), 3.5 (be selective - show more than one whole in fractions, count on & back past 1, add & sub) | **NCETM Spine:** (Revisit 2.13 for ÷ 10 and 100), 1.23 (tenths, hundredths), 1.24 (mainly TP 1 and some of TP2) |  |  |
| **Vocab** | Multiply, product, factor, array, time, repeated addition, commutative, associative, distributive, divide, quotient dividend, divisor, remainder, equal group | Length, width, height, distance, mm, cm, m, km, unit, estimate, metric, side, edge, rectangle, square, polygon  | Numerator, denominator, unit fraction, equivalent, mixed number, improper fraction, proper fraction, simplify, common denominator, lowest common multiple, whole, part | Decimals, decimal point, place value, tenths, hundredths, thousandths, rounding, equivalent |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
| **Aut** | Place Value | Addition and Subtraction | Area | Multiplication and Division A | Consolidation | Consolidation | Assessment Week |
| **Spr** | Multiplication and Division B | Length and Perimeter | Fractions | Decimals A | Consolidation |  |
| **Sum** | Decimals B | Money | Time | Consolidation | Shape | Statistics | Position and Direction | Consolidation |  |

**Summer Term:** **Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

|  |  |  |
| --- | --- | --- |
|  | **Summer 1** | **Summer 2** |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
|  | **Decimals B** | **Money** | **Time** | **Consolidation** | **Shape** | **Statistics** | **Position and Direction** | **Consolidation**  | **Assessment****Week** |
| **Small Steps (WRM)** | Make a whole with tenthsMake a whole with hundredthsPartition decimals Flexibly partition decimals  | Compare decimalsOrder decimalsRound to the nearest whole numberHalves and quarters s decimals  | Write money using decimalsConvert between pounds and penceCompare amounts with money | Estimate with moneyCalculate with moneySolve problems with money | Years, months, weeks and daysHours, minutes and secondsConvert between analogue and digital time | Convert to the 24-hour clockConvert from the 24 hour clock |  | Understand angles as turnsIdentify angles Compare and order angles Triangles | Quadrilaterals PolygonsLines of symmetryCompare a symmetric figure | Interpret charts Comparison, sum and difference Interpret line graphs Draw line graphs  | Describe position and direction Plot coordinates Draw 2-D shapes on a grid | Translate on a gridDescribe translation on a grid |  |  |
| **Supporting Resources** | **NCETM Spine:** 1.24 (TP2, TP7) | **NCETM Spine:** 1.22 (TP 4 estimate money) 1.25 |  |  |  |  | **NCETM Spine:** 1.27 TP 6 |  |  |
| **Vocab** | Decimals, decimal point, place value, tenths, hundredths, thousandths, rounding, equivalent | Currency, pence, pound, conversion, estimate, decimal | Time, clock, analogue clock, digital clock, hour, minute, second, A.M., P.M., noon, midnight.  |  | Geometry, polygon, triangle, equilateral, isosceles, scalene, right, square, rhombus, parallelogram, trapezium, pentagon, heptagon, hexagon, octagon, circle  | DataSurveyCategorySample PopulationQuestionnaire  | CoordinateGridX axisY axisQuadrant  |  |  |

square