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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** | **Week 13** | | **Week 14** |
| **Aut** | Place Value | | Addition, subtraction, multiplication and division | | | | | | | | Fractions A | | | Fractions B | | Converting Units | | Consolidation | Assessment Week |
| **Spr** | Ratio | | Algebra | | | Decimals | | | FDP | | | | Area, perimeter, volume | | Statistics | |  | |  |
| **Sum** | Shape | | Position and direction | | Themed projects, consolidation and problem solving | | | | | | | | | | | | |  |  |

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

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|  | **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, subtraction, multiplication and division** | | | | | **Fractions A** | | | **Fractions B** | | **Converting Units** | **Consolidation** | **Assessment**  **Week** |
| **Small Steps (WRM)** | Numbers to 1,000,000  Numbers to 10,000,000  Read and write numbers to 10,000,000  Powers of 10 | Number line to 10,000,000  Compare and order any integers  Round any integer  Negative numbers | Add and subtract integers  Common factors  Common multiples  Rules of divisibility | Primes to 100  Square and cube numbers  Multiply up to a 4-digit numbers by a 2-digit number | Solve problems with multiplication  Short division  Division using factors | Introduction to long division  Lond division with remainders  Solve problems with division | Solve multi-step problems  Order of operations  Mental calculations and estimation  Reason for known facts | Equivalent fractions and simplifying  Equivalent fractions on a number line  Compare and order (denominator)  Compare and order (numerator) | Add and subtract simple fractions  Add and subtract any two fractions  Add mixed numbers  Subtract mixed numbers  Multi-step problems | Multiply fractions by integers  Multiply fractions by fractions  Divide a fraction by an integer | | Mixed questions with fractions  Fraction of an amount  Fraction of an amount – find the whole | Metric measure  Convert metric measures  Calculate metric measure  M and KM  Imperial measure |  |  |
| **Supporting Resources** | **NCETM Spine**: revisit y5 1.26PV 1.30 (mainly TP2 and TP3) 1.30 (TP 5 rounding) | | **NCETM Spine:** 1.30TP 4 (revisit 1.20 and 1.21 for column) 1.30 (maybe use to secure PV and counting through boundaries using mental methods TP4 and fluency including RPS in TP6) 2.24 (division - ref back to 2.15 if necessary) 2.23 long multiplication 2.21 common factors, common multiples, primes 2.20 cubes and ref back to 2.9 for square numbers 2.22 and 2.28 (order operations) 2.25 (reason known facts) | | | | | **NCETM Spine**: 3.7 simplify equivalent incl. number line revisit 3.5 mixed number improper fraction add, sub, number line 3.8 add and sub fractions 3.8 TP 5 (compare denom. and numerator) 3.9 Multiply, divide 3.9 fractions of amounts TP1 - revisit 3.6 TP 3 | | | **NCETM Spine**: 3.7 simplify equivalent incl. number line revisit 3.5 mixed number improper fraction add, sub, number line 3.8 add and sub fractions 3.8 TP 5 (compare denom. and numerator) 3.9 Multiply, divide 3.9 fractions of amounts TP1 - revisit 3.6 TP 3 | | **NCETM Spine**: 2.29 TP2 (metric only |  |  |
| **Vocab** | Place value, digit, value, decimal, whole number, decimal point, thousands, hundreds, tens, ones, units, tenths, hundredths, thousandths, numerical value, expanded form, standard form, rounding, estimation, comparison | | Sum, difference, quotient, addend, subtrahend, minuend, factor, dividend, divisor, remainder, operation, product, inverse | | | | | Fraction, numerator, denominator, proper fraction, improper fraction, mixed number, equivalent fractions, simplifying fractions, common denominator, LCD, LCM unit fraction | | | Fraction, numerator, denominator, proper fraction, improper fraction, mixed number, equivalent fractions, simplifying fractions, common denominator, LCD, LCM unit fraction | | Conversion, metric, imperial, length, distance, miles to km |  |  |

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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** | **Week 13** | | **Week 14** |
| **Aut** | Place Value | | Addition, subtraction, multiplication and division | | | | | | | | Fractions A | | | Fractions B | | Converting Units | | Consolidation | Assessment Week |
| **Spr** | Ratio | | Algebra | | | Decimals | | | FDP | | | | Area, perimeter, volume | | Statistics | |  | |  |
| **Sum** | Shape | | Position and direction | | Themed projects, consolidation and problem solving | | | | | | | | | | | | |  |  |

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

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|  | **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** |
|  | **Ratio** | | **Algebra** | | **Decimals** | | **FDP** | | **Area, perimeter, volume** | | | **Statistics** | | | **Consolidation** | **Assessment**  **Week** |
| **Small Steps (WRM)** | Add or multiply?  Use ratio language  Introduction to the ratio symbol  Ratio and fractions  Scale drawing | Use scale factors  Similar shapes  Ratio problems  Proportion problems  Recipes | 1-step function machines  2-step function machines  Form expressions  Substitution  Formulae | Form equations  Solve 1-step equations  Solve 2-step equations  Find pairs of values  Solve problems with two unknowns | Place value within 1  Place value – integers and decimals  Round decimals  Add and subtract decimals  Multiply 10, 100 and 1,000 | Divide by 10, 100 and 1,000  Multiply decimals by integers  Divide decimals by integers  Multiply and divide decimals in context | Decimal and fraction equivalents  Fractions as division  Understand percentages  Fractions as percentages  Equivalent FDP | Order FDP  Percentage of an amount – one step  Percentage of an amount – multi step  Percentages – missing values | | Shape – same area  Area and perimeter  Area of a triangle – counting squares  Area of a right-angled triangle | Area of any triangle  Area of a parallelogram  Volume – counting cubes  Volume of a cuboid | | Line graphs  Duel bar charts  Read and interpret pie charts | Pie charts with percentages  Draw pie charts  The mean |  |  |
| **Supporting Resources** | **NCETM Spine**: 2.27 | | **NCETM Spine:** 1.28, 1.31 | | **NCETM Spine:** revisit TP 1.24 for 3 D.P, revisit 2.29 - multi div 10,100,1000 2.19 mult div decimals by integers 2.28 (some support with division problems but no decimals) 3.10 fraction decimal | | **NCETM Spine:** 3.10 | | **NCETM Spine**: 2.30 area perimeter (revisit 2.16) 2.20 volume | | | **NCETM Spine:** 1.28 TP3 (pie chart, bar chart - missing values focus) 3.10 TP6 - percentage context, 2.26 mean average | | |  |  |
| **Vocab** | Proportion, comparison, scale, scaling | | Variable, expression, equation, coefficient, constant, term, like term, factorisation, expansion, linear equation, inequality | | Place value, tenths, hundredths, thousandths, decimal fraction, decimal notation, ordering, equivalent | | Proper, improper, mixed number, equivalent, simplifying, common LCD, LCM | | Length, width, height, base, surface area, net, composite shape | | | Data, statistics, survey, analysis, representation, frequency, bar/line/pictograph, mean, mode, median, range, probability | | |  |  |

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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** | **Week 13** | | **Week 14** |
| **Aut** | Place Value | | Addition, subtraction, multiplication and division | | | | | | | | Fractions A | | | Fractions B | | Converting Units | | Consolidation | Assessment Week |
| **Spr** | Ratio | | Algebra | | | Decimals | | | FDP | | | | Area, perimeter, volume | | Statistics | |  | |  |
| **Sum** | Shape | | Position and direction | | Themed projects, consolidation and problem solving | | | | | | | | | | | | |  |  |

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

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|  | **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** |
|  | **Shape** | | **Position and direction** | **Themed projects, consolidation and problem solving** | | | | | | | | | **Consolidation** | **Assessment**  **Week** |
| **Small Steps (WRM)** | Measure and classify angles  Calculate angles  Vertically opposite angles  Angles in a triangle  Angles in a triangle – special cases | Angle sin a triangle – missing angles  Angles I quadrilaterals  Angles in polygons  Circles  Draw shapes accurately  Nets of 3-D | The first quadrant  Read a plot in four quadrants  Solve problems with coordinates  Translations  Reflections | Best value - book the perfect holiday | Profit and loss – design the perfect theme park | Packaging - design the most efficient and cost effective package | Cooking problems - solve the ration and proportion dilemmas and cook based on your findings | Salaries of you future | Buying my house | Taxation and bills |  |  |  |  |
| **Supporting Resources** | **NCETM Spine:** 1.28 TP4 (missing angles only) | | **NCETM Spine:** 1.27 TP 6 |  | | | | | | | | |  |  |
| **Vocab** | Angles, acute, obtuse, reflex, right-angle, opposite angles, bisect, 180 degrees, 360 degrees, 90 degrees, | | Left, right, up, down, north, south, east, west, forward, backward, clockwise, anticlockwise |  | | | | | | | | |  |  |