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| Half Term 1A  Focus: Ratio and scale, Multiplicative change  End of Term Assessment: Topic Assessments Star Assessment Higher Level Marking and Feedback | | | | | | | |
| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 |
| Start of Topic Assessment  Understand the meaning and representation of ratio.  Understand and use ratio notations.  Marking and Feedback | Solve problems involving ratio of the form 1 : n  Solve problems involving rations of the from m : n  Marking and Feedback | Divide in a given ratio.  Express ratios in their simplest integer from  Express ratios in the form 1 : n (H)  Marking and Feedback | Compare rations and fractions.  Understand pi as a ratio.  Understand gradient as a ratio (H)  Marking and Feedback | Solve problems with direct proportion.  Explore conversion graphs.  Convert between currencies.  Marking and Feedback | Explore direct proportion graphs (H)  Explore relationships between similar shapes.  Understand scale factors as multiplicative representations.  Star Assessment  Marking and Feedback | Draw and interpret scale diagrams.  Interpret maps using scale factors and ratios.  End of block assessment - Multiplicative change |  |

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| Half Term 1B  Focus: Working in the Cartesian plane, Representing Data  End of Term Assessment: Topic Assessments Star Assessment Higher Level Marking and Feedback | | | | | | | |
| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 |
| Start of Topic Assessment  Coordinates in all four quadrants  identify and draw lines that are parallel to the axes.  Recognise and use the line y=x  Marking and Feedback | Recognise and use the lines of the form y=kx  Link y = kx to direct proportion problems  Explore the gradient of the link y=kx (H)  Recognise and use lines of the form y = x+a  Explore graphs with negative gradient (y=kx, y=a, x+y=a)  Marking and Feedback | Line graphs to linear sequences  plot graphs of the form y = mx+c  Explore non-linear graphs (H)  Find the midpoint of a line segment (H)  Marking and Feedback | Draw and interpret scatter graphs.  Understand and describe linear correlations.  Draw and use a line of best fit  Marking and Feedback | Identify non-linear relationships.  Identify different types of data.  Read and interpret ungrouped frequency tables.  Read and interpret grouped frequency tables.  Marking and Feedback | Represent grouped discrete data.  Represent continuous data grouped into equal classes.  Star Assessment  Marking and Feedback | Construct and interpret tow-way tables.  Revsion  Representing data end of block assessment |  |

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| Half Term 2A  Focus: Brackets, equations and Inequalities, Sequences, Indices  End of Term Assessment: Topic Assessments Star Assessment Higher Level Marking and Feedback | | | | | | | |
| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 |
| Start of Topic Assessment  Form algebraic expressions.  Use directed numbers with algebra.  Marking and Feedback | Multiply out a single bracket.  Factorise into a single bracket.  Explain multiple single brackets and simplify.  Marking and Feedback | Expand a pair of binomials (H)  Solve equations, including with brackets.  Marking and Feedback | Form and solve equations with brackets.  Understand and solve simple inequalities.  From and solve inequalities  Marking and Feedback | Solve equations and inequalities with unknowns on both sides (H)  Form and solve equations and inequalities with unknowns on both sides (H)  Star Assessment  Marking and Feedback | Identify and use formula, expressions, identifies and equations.  Revision  Brackets, equations and inequalities End of block assessment |  |  |

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| Half Term 2B  Focus: Fractions and percentages, standard index form, number sense  End of Term Assessment: Topic Assessments Star Assessment Higher Level Marking and Feedback | | | | | | | |
| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 |
| Start of Topic Assessment  Convert between fractions, decimals and percentages.  Calculate fractions, decimals and percentages without a calculator.  Marking and Feedback | Calculate fractions, decimals and percentages with a calculator.  Convert between decimals and percentages greater than 100%  percentage decrease with a multiplier  Percentage increase and decrease using a multiplier.  Marking and Feedback | One number as a fraction or percentage without a calculator  Express one number as a fraction or a percentage using calculator.  Work with percentage change  Marking and Feedback | Choose appropriate methods to solve percentage problems.  Find the original amount give the percentage less than 100% (H)  Find the original amount given the percentage less than 100% (H)  Marking and Feedback | Find the original amount given the percentage greater than 100% (H)  FInd the original amount give the percentage greater than 100% (H)  Choose appropriate methods to solve percentage problems.  Star Assessment  Marking and Feedback | Choose appropriate methods to solve complex percentage problems (H)  End of block assessment - Fractions and percentages |  |  |

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| Half Term 3A  Focus: angles in parallel lines and polygons, area of trapezia & circles. Line of symmetry & reflection  End of Term Assessment: Topic Assessments Star Assessment Higher Level Marking and Feedback | | | | | | | |
| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 |
| Start of Topic Assessment  Understand and use basic angle rules and notation.  Investigate angles between parallel lines and the transversal.  Marking and Feedback | Identify and calculate with alternating and corresponding angles.  Identify and calculate with co-interior, alternate and corresponding angles.  Solve complex problems with parallel line angles.  Marking and Feedback | Constructions triangles and special quadrilaterals  Investigate the properties of special quadrilaterals.  Marking and Feedback | Identify and calculate with sides and angles in special quadrilaterals.  Understand and use the properties of diagonals and quadrilaterals.  Understand and use the sum of exterior angles of any polygon.  Marking and Feedback | Calculate missing interior angles in regular polygons.  Prove simple geometric facts (H)  Construct an angle bisector (H)  Star Assessment  Marking and Feedback | Construct a perpendicular bisector of a line segment  Angles in paralllel lines and polygons - end of block assessment |  |  |

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| Half Term 3B  Focus: data handling cycle, measures of location  End of Term Assessment: Topic Assessments Star Assessment Higher Level Marking and Feedback | | | | | | | |
| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 |
| Start of Topic Assessment  Set up a statistical enquiry.  Design and criticise questionnaires.  Marking and Feedback | Draw and interpret pictograms, bar charts and vertical line charts.  Draw and interpret multiple bar charts.  Marking and Feedback | Draw and interpret pie charts.  Draw and interpret line graphs.  Choose the most appropriate diagram for given set of data.  Marking and Feedback | Represent and interpret grouped quantitative data.  Find and interpret the range.  Marking and Feedback | Compare distributions using charts.  Identify misleading graphs.  Marking and Feedback | Understand and use the mean, median and mode.  Choose the most appropriate average.  Find the mean from an ungrouped frequency table (H)  Star Assessment  Marking and Feedback | Identify outliers.  Compare distributions using averages and the range.  Revision  Measures of location end of block assessment | End of term |