|  |
| --- |
| 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 |  |

|  |
| --- |
| Half Term 1B Focus: Working in the Cartesian plane, Representing DataEnd 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=kxLink y = kx to direct proportion problemsExplore the gradient of the link y=kx (H) Recognise and use lines of the form y = x+aExplore 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+cExplore 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 fitMarking 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 AssessmentMarking and Feedback | Construct and interpret tow-way tables. RevsionRepresenting data end of block assessment |  |

|  |
| --- |
| Half Term 2AFocus: 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 inequalitiesMarking 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.RevisionBrackets, equations and inequalities End of block assessment |  |  |

|  |
| --- |
| 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 multiplierPercentage 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  |  |  |

|  |
| --- |
| Half Term 3AFocus: 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 |  |  |

|  |
| --- |
| Half Term 3BFocus: 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.RevisionMeasures of location end of block assessment | End of term |