Year 6 Term 2

Week	Objectives	Small Learning Steps
1	**Multiplication (Area)** • Recognise that shapes with the same areas can have different perimeters and vice versa • Recognise when it is possible to use formulae for area of shapes • Recognise when it is possible to use formulae for area and volume of shapes • Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate • Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places • Convert between miles and kilometres • Decimal multiplication	• Revise conversion of lengths between units • Revise area of rectangle and use formula to find area • Revise how to find missing sides when given an area of rectilinear shapes • Revise how to calculate perimeter of polygons • Explore same area, different perimeters with mixed units of length Use decimal lengths, mix of cm, mm and m etc
2	**Geometry Angles** • Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. • Draw 2-D shapes using given dimensions and angles • Find unknown angles in any triangles, quadrilaterals, and regular polygons	• Revise angle names and drawing of angles • Revise missing angles on straight line, diagonal line • Revise missing angles where one angle is missing in a triangle or quadrilateral • Revise angles around a point • Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. • Draw 2-D shapes where some of the sides or angles are missing
3	**Geometry** • Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons • Describe positions on the full coordinate grid (all four quadrants) • Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.	• Revise properties of triangles and quadrilaterals • Revise reflective symmetry in both straight and diagonal lines as well as in 4 quadrants • Plot 2-D shapes in all 4 quadrants where all 4 are given • Plot 2-D shapes in all 4 quadrants where all 2 or 3 are given • Translate simple shapes on a grid
4	**4 rules through Statistics** • Interpret line graphs and use these to solve problems • Construct line graphs and use these to solve problems • Revise timetables (Y5) • Revise 12 hour and 24 hour time (Y4)	• Read scales on charts and add missing numbers to scales, charts and timetables • Solve addition and subtraction problems from information on a line graph/time graph • Solve addition and subtraction problems from information on a bar chart/pictograms • Solve multi step word problems for above • Revise 12 hour and 24 hour time • Complete a timetable • Solve addition and subtraction word problems using a timetable

5	**Fractions** • Compare and order fractions, including fractions > 1 • Use common factors to simplify fractions; use common multiples to express fractions in the same denomination • Associate a fraction with division and calculate decimal fraction equivalents • Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.	• Revise comparing and ordering equivalent fractions including fractions>1 • Revise reading decimal numbers as fractions, order and compare • Revise mixed numbers and convert to improper fractions and vice versa • Order fractions of all kinds a number line • Compare fractions of all kinds using <> signs • Problem Solve with all of the above
6/7	**Fractions** • Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions • Interpret Pie Charts using fractions knowledge • Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams (Y5 revision)	• Revise adding and subtracting with fractions with the same denominator • Add/.subtract fractions with different denominators • Subtraction fractions with multiples of the same denominator and simplify the answer • Add/Subtract mixed numbers and simplify the answer • All of the above through word problems in a range of contexts • Apply fractions to pie chart problems – interpret and answer questions • Multiply proper fractions by integers • Multiply mixed numbers by integers • Problem solve with all of the above