|  |
| --- |
| **Year 4**  |
| **Autumn****1 – 7 weeks****Autumn 2 – 8 weeks (7 and 4 days)** | **Number: Place Value**Represent numbers to 10,000 Partition numbers to 10,000 Find 1, 10, 100, 1,000 more or less Number line to 10,000 Estimate on a number line to 10,000 Order numbers to 10,000 Roman numerals Round to the nearest 10, 100 or 1,000**Count in multiples of 6, 7, 9, 25 and 1000** | **Addition and Subtraction**Add and subtract 1s, 10s, 100s and 1,000s Add up to two 4-digit numbers – no exchange, one exchange, more than one exchange Subtract two 4-digit numbers – no exchange, one exchange, more than one exchange Efficient subtraction Estimate answers Checking strategiesProblem solving using money and measurement | **Measurement**What is area? Count squares Make shapes Compare areas | **Shape**Understand angles as turns Identify angles Compare and order angles Polygons | **Multiplication and Division A**Multiples of 3 Multiply and divide by 6, 9, 7 6, 9, 7, 11, 12 times-table and division facts Multiply by 1 and 0 Divide a number by 1 and itself Multiply three numbers**Count in multiples of 6, 7, 9** |
| Include MeasurementReasoning and problem solving | Include MeasurementReasoning and problem solving | Include MeasurementReasoning and problem solving |
| **Spring 1 – 6 weeks****Spring 2 – 7 weeks** | **Multiplication and Division B**Factor pairs Multiply by 10, 100Divide by 10, 100Related facts – multiplication and division Informal written methods for multiplication Multiply a 2 and 3-digit number by a 1-digit number Divide a 2 and 3-digit number by a 1-digit numberWord problems using measurementCorrespondence problems Efficient multiplication | **Measurement**Measure in kilometres and metresEquivalent lengths (kilometres and metres) Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes Find missing lengths in rectilinear shapes Calculate perimeter of rectilinear shapes Perimeter of regular polygons Perimeter of polygons | **Fractions A**Understand the whole Count beyond 1 Partition a mixed number Number lines with mixed numbers Compare and order mixed numbers Understand improper fractions Convert mixed numbers to improper fractions Convert improper fractions to mixed numbers | **Time**Years, months, weeks and days Hours, minutes and seconds Convert between analogue and digital times Convert to the 24-hour clock Convert from the 24-hour clockAdd and subtract intervals  | **Decimals A**Tenths as fractions and decimals Tenths on a place value chart and number line Divide a 1 and 2-digit number by 10 Hundredths as fractions and decimalsHundredths on a place value chart Divide a 1- or 2-digit number by 100 Add and subtract numbers to one decimal place |
| Include MeasurementReasoning and problem solving | Include MeasurementReasoning and problem solving | Reasoning and problem solving |
| **Summer 1 – 4 weeks****Summer 2 – 7 weeks (6 weeks)**  | **Decimals B**Make a whole with tenths Make a whole with hundredths Partition decimals Flexibly partition decimals Compare decimals Order decimals Round to the nearest whole number Halves and quarters as decimals | **Money**Addition and subtraction of up to 4 digits with decimalsWrite money using decimals Convert between pounds and pence Compare amounts of money Estimate with money Calculate with money Solve problems with money | **Fractions B**Equivalent fractions on a number line and fraction families Add two or more fractions Add and subtract fractions and mixed numbers Subtract from whole amounts and mixed numbers | **Shape**Recap angles and polygonsTriangles Quadrilaterals Polygons Lines of symmetry Complete a symmetric figure | **Statistics** Interpret charts Comparison, sum and difference Interpret line graphs Draw line graphs | **Position and Direction**Describe position using coordinates Plot coordinates Draw 2-D shapes on a grid Translate on a grid Describe translation on a grid |
| Include Measurement including money and lengthReasoning and problem solving | Reasoning and problem solving | Include MeasurementReasoning and problem solving |