# Year 4

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