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| **Year 4 2023 - 2024** | | | | | | | | | | | | | | |
| **Autumn** | **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 | | | | | **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 strategies | | | | | | **Measurement**  What is area?  Count squares  Make shapes  Compare areas | **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 | |
| Include Measurement  Reasoning and problem solving | | | | Include Measurement  Reasoning and problem solving | | | | | Include Measurement  Reasoning and problem solving | | | | | |
| **Spring** | **Multiplication and Division B**  Factor pairs  Multiply by 10, 100  Divide by 10, 100  Related 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 number  Correspondence problems  Efficient multiplication | | **Measurement**  Measure in kilometres and metres  Equivalent 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**  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  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 | | | | | | **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 decimals  Hundredths on a place value chart  Divide a 1- or 2-digit number by 100 Add and subtract numbers to one decimal place | |
| Include Measurement  Reasoning and problem solving | | | | Include Measurement  Reasoning and problem solving | | | | | Reasoning and problem solving | | | | | |
| **Summer** | **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 decimals  Write money using decimals  Convert between pounds and pence  Compare amounts of money  Estimate with money  Calculate with money  Solve problems with money | | | **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 clock  Add and subtract intervals | | | **Shape**  Understand angles as turns  Identify angles  Compare and order angles  Triangles  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 length  Reasoning and problem solving | | | | Reasoning and problem solving | | | | | | Include Measurement  Reasoning and problem solving | | | | |