

	Year 3	Year 4	Year 5	Year 6
Place value (TB)	Within 1000 Numbers to 1000 100's, 10's, 1's Number line to 1000 1, 10, 100 more or less Compare and order objects	Roman Numerals 1000's, 100's, 10's, 1's Partitioning Number line to 10,000 Count in 1000's 1000 more or less Count in 25's Compare and order 4d numbers Rounding to nearest 10 Rounding to nearest 100 Round to nearest 1000 Negative numbers	Roman numerals Numbers to 10,000 Numbers to 100 000 Numbers to 1,000 000 Counting in powers of 10 Compare and order Round to 10, 100, 1000, Round within 100,000 and 1,000 000 Negative numbers	Roman numerals to 1000 Numbers to 10,000, 100,000, 1,000,000 Powers of 10 10, 100, 1000, 10, 000, 100,000 more or less Partition numbers to 1,000,000 Compare and order numbers to 100,000 and 1,000,000 Round to nearest 10, 100, 1000 Round within 100,000 Round within 1,000,000
Addition and subtraction (TB)	Within 1000 inc money Pounds and pence Convert pounds and pence Add and subtract multiples of 100 3 digit and 1-digit numbers 3 digit and 2-digit numbers Add and subtract 100's Add 3d and 1d numbers Add 3d and 2d numbers Add 2d and 3d numbers Add 2, 3d numbers Add money Subtract 1d from 3d Subtract 2d from 3d	Add 2, 4d numbers Subtract 2, 4d numbers Efficient subtraction Estimate and check answers	Add more than 4d numbers Subtract more than 4d Estimate and approximate Inverse operations Multi-step problems Compare calculations Find missing numbers	Add and subtract integers



	<p>Subtract 3d from 3d Subtract money, give change Compare and estimate answers</p>			
<p>Multiplication and division (TB)</p>	<p>Multiplication Count in 50's Multiply and divide 3,4, 8 times tables Multiply 2dx1d</p>	<p>Multiply and divide by 1 and 0 Multiply and divide by 6 6 times tables and division facts Multiply and divide by 9 9 times tables and division facts Multiply and divide by 7 7 times tables and division facts 11- and 12-times tables Multiply 3 numbers Factor pairs Multiply by 10 Multiply by 100 Divide by 10 Divide by 100</p>	<p>Multiples Factors Common factors Prime numbers Square numbers Cube numbers Multiply by 10, 100, 1000 Multiples of 10, 100, 1000</p>	<p>Common Factors Common multiples Primes to 100 Square and cube numbers Multiply up to 4d by 2d Solve problems with multiplication Short division Introduction to long division Long division with remainders Order of operations</p>
<p>Shape, position and direction (GJ)</p>	<p>Turns and angles Right angles in shapes Compare angles Horizontal and vertical Perpendicular and parallel 2D shapes Draw accurately Lines of symmetry</p>	<p>Understands angles as turns Identify angles Compare and order angles Triangles Quadrilaterals Polygons Lines of symmetry Complete a symmetric figure</p>	<p>Understand and use degrees Classify angles Estimate angles Measure angles up to 180 Draw lines and angles accurately Calculate angles around a point Calculate angles on a straight line Lengths and angles in shapes Regular and irregular polygons 3D shapes</p>	<p>Measure and classify angles Calculate angles Vertically opposite angles Angles in a triangle-special cases Angles in triangles -Missing angles Angles in quadrilaterals Angles in polygons Circles Draw shapes accurately Nets of 3D shapes</p>



	Count faces, edges and vertices on 3D shapes Construct 3D shapes			
Length, perimeter and area (GJ)	Count sides and vertices Measure the perimeter (wool and units) Calculate perimeter – Adding lengths of sides	Kilometres Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes What is area? Counting squares Making shapes Comparing area	Measure perimeter of rectangles Calculate perimeter of rectilinear shapes Perimeter of polygons Area of rectangles Area of compound shapes Area of irregular shapes	Shapes – same area Area and perimeter Area of triangle – counting squares Area of right-angled triangle Area of parallelogram Volume counting cubes Volume of cuboids

