

	Year 3	Year 4	Year 5	Year 6
Maths	Place Value -Represent numbers to 100 and 1000 -Partition numbers to 100 and 1000 -Number lines to 100 and 1000 -Hundreds, tens and ones -Find 1, 10 or 100 more or less -Compare and order numbers to 1,000 Addition and Subtraction -Apply number bonds within 10 -Add and subtract 1s, 10s and 100s -Add and subtract 1s across a 10 and 100 -Add and subtract two numbers (no exchange) -Add and subtract two numbers (across a 10 and 100) -Add and subtract 2-digit and 3-digit numbers -Complements to 100 -Estimate answers -Inverse operations -Make decisions	Place Value -Represent and partition numbers to 1,000 and 10,000 -Number line to 1,000 and 10,000 -Flexible partitioning of numbers to 10,000 -Find 1, 10, 100, 1,000 more or less -Estimate on a number line to 10,000 -Compare and 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 and subtract up to two 4-digit numbers – no exchange -Add and subtract two 4-digit numbers – one exchange -Add and subtract two 4-digit numbers – more than one exchange -Efficient subtraction -Estimate answers -Checking strategies Area -What is area? -Count squares -Make shapes -Compare areas	Place Value -Roman numerals to 1,000 -Numbers to 10,000 -Numbers to 100,000 -Numbers to 1,000,000 -Read and write numbers to 1,000,000 -Powers of 10 -more or less -Partition numbers to 1,000,000 -Number line to 1,000,000 -Compare and order numbers to 100,000 -Compare and order numbers to 1,000,000 -Round to the nearest 10, 100 or 1,000 -Round within 100,000 -Round within 1,000,000 Addition and Subtraction -Mental strategies -Add whole numbers with more than four digits -Subtract whole numbers with more than four digits -Round to check answers -Inverse operations (addition and subtraction) -Multi-step addition and subtraction problems -Compare calculations -Find missing numbers Multiplication and Division -Multiples -Common multiples	Place Value -Numbers to 1,000,000 -Numbers to 10,000,000 -Read and write numbers to 10,000,000 -Powers of 10 -Number line to 10,000,000 -Compare and order any integers -Round any integer -Negative numbers Addition, Subtraction, Multiplication and Division -Add and subtract integers -Common factors -Common multiples -Rules of divisibility -Primes to 100 -Square and cube numbers -Multiply up to a 4-digit number by a 2-digit number -Solve problems with multiplication -Short division -Division using factors -Introduction to long division -Long division with remainders -Solve problems with division -Solve multi-step problems -Order of operations -Mental calculations and estimation -Reason from known facts Fractions -Equivalent fractions and simplifying -Equivalent fractions on a number line

	Multiplication and Division -Multiplication – equal groups -Use arrays -Multiples of 2, 5 and 10 -Sharing and grouping -Multiply and divide by 3 -Multiply and divide by 4 -Multiply and divide by 8 -Multiples of 10 -Related calculations -Reasoning about multiplication -Multiply a 2-digit number by a 1-digit number – no exchange -Multiply a 2-digit number by a 1-digit number – with exchange -Link multiplication and division -Divide a 2-digit number by a 1-digit number – no exchange -Divide a 2-digit number by a 1-digit number – flexible partitioning Length and Perimeter -Measure in metres and centimetres -Metres, centimetres, and millimetres -Equivalent lengths (metres and centimetres) -Compare lengths	Multiplication and Division -Multiples of 3 -Multiply and divide by 6 -6 times-table and division facts -Multiply and divide by 9 -9 times-table and division facts -The 3, 6 and 9 times-tables -Multiply and divide by 7 -7 times-table and division facts -11 times-table and division facts -12 times-table and division facts -Multiply by 1 and 0 -Divide a number by 1 and itself -Multiply three numbers -Factor pairs -Use factor pairs -Multiply by 10 -Multiply by 100 -Divide by 10 -Divide by 100 -Related facts – multiplication and division -Informal written methods for multiplication Multiplication and Division -Multiply a 2-digit number by a 1-digit number -Multiply a 3-digit number by a 1-digit number -Divide a 2-digit number by a 1-digit number (1) -Divide a 2-digit number by a 1-digit number (2) -Divide a 3-digit number by a 1-digit number -Correspondence problems	-Factors -Common factors -Prime numbers -Square numbers -Cube numbers -Multiply by 10, 100 and 1,000 -Divide by 10, 100 and 1,000 -Multiples of 10, 100 and 1,000 Fractions -Find fractions equivalent to a unit fraction -Find fractions equivalent to a non-unit fraction -Recognise equivalent fractions -Convert improper fractions to mixed numbers -Convert mixed numbers to improper fractions -Compare fractions less than 1 -Order fractions less than 1 -Compare and order fractions greater than 1 -Add and subtract fractions with the same denominator -Add fractions within 1 -Add fractions with total greater than 1 -Add to a mixed number -Add two mixed numbers -Subtract fractions -Subtract from a mixed number -Subtract from a mixed number – breaking the whole Multiplication and Division -Multiply up to a 4-digit number by a 1-digit number	-Compare and order (denominator) -Compare and order (numerator) -Add and subtract simple fractions -Add and subtract any two fractions -Add mixed numbers -Subtract mixed numbers -Multi-step problems -Multiply fractions by integers -Multiply fractions by fractions -Divide a fraction by an integer -Divide any fraction by an integer -Mixed questions with fractions -Fraction of an amount -Fraction of an amount – find the whole Converting Units -Metric measures -Convert metric measures -Calculate with metric measures -Miles and kilometres -Imperial measures Ratio -Add or multiply? -Use ratio language -Introduction to the ratio symbol -Ratio and fractions -Scale drawing -Use scale factors -Similar shapes -Ratio problems -Proportion problems -Recipes Algebra -1-step function machines -2-step function machines
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	-Add and subtract lengths -What is perimeter? -Measure and calculate perimeter Fractions -Understand the denominators of unit fractions -Compare and order unit fractions -Understand the numerators of non-unit fractions -Understand the whole -Compare and order non-unit fractions -Fractions and scales -Fractions on a number line -Count in fractions on a number line -Equivalent fractions on a number line -Equivalent fractions as bar models Mass and Capacity -Use scales -Measure mass in grams and kilograms -Equivalent masses (kilograms and grams) -Compare mass -Add and subtract mass -Measure capacity and volume in millilitres and litres	-Efficient multiplication Length and Perimeter -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 -Equivalent fraction families -Add two or more fractions -Add fractions and mixed numbers -Subtract two fractions -Subtract from whole amounts -Subtract from mixed numbers	-Multiply a 2-digit number by a 2-digit number (area model) -Multiply a 2-digit number by a 2-digit number -Multiply a 3-digit number by a 2-digit number -Multiply a 4-digit number by a 2-digit number -Solve problems with multiplication -Short division -Divide a 4-digit number by a 1-digit number -Divide with remainders -Efficient division -Solve problems with multiplication and division Fractions -Multiply a unit fraction by an integer -Multiply a non-unit fraction by an integer -Multiply a mixed number by an integer -Calculate a fraction of a quantity -Fraction of an amount -Find the whole -Use fractions as operators Decimals and Percentages -Decimals up to 2 decimal places -Equivalent fractions and decimals (tenths) -Equivalent fractions and decimals (hundredths) -Equivalent fractions and decimals Decimals and Percentages -Thousandths as fractions	-Form expressions -Substitution -Formulae -Form equations -Solve 1-step equations -Solve 2-step equations -Find pairs of values -Solve problems with two unknowns Decimals -Place value within 1 -Place value – integers and decimals -Round decimals -Add and subtract decimals -Multiply by 10, 100 and 1,000 -Divide by 10, 100 and 1,000 -Multiply decimals by integers -Divide decimals by integers -Multiply and divide decimals in context Fractions, decimals and percentages -Decimal and fraction equivalents -Fractions as division -Understand percentages -Fractions to percentages -Equivalent fractions, decimals and percentages -Order fractions, decimals and percentages -Percentage of an amount – one step -Percentage of an amount – multi-step -Percentages – missing values Area, Perimeter and Volume -Shapes – same area -Area and perimeter
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	-Equivalent capacities and volumes (litres and millilitres) -Compare capacity and volume -Add and subtract capacity and volume Fractions -Add fractions -Subtract fractions -Partition the whole -Unit fractions of a set of objects -Non-unit fractions of a set of objects -Reasoning with fractions of an amount Money -Pounds and pence -Convert pounds and pence -Add money -Subtract money -Find change Time -Roman numerals to 12 -Tell the time to 5 minutes -Tell the time to the minute -Read time on a digital clock -Use am and pm -Years, months and days -Days and hours -Hours and minutes – use start and end times	Decimals -Tenths as fractions -Tenths as decimals -Tenths on a place value chart -Tenths on a number line -Divide a 1-digit number by 10 -Divide a 2-digit number by 10 -Hundredths as fractions -Hundredths as decimals Decimals -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 -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	-Thousandths as decimals -Thousandths on a place value chart -Order and compare decimals (same number of decimal places) -Order and compare any decimals with up to 3 decimal places -Round to the nearest whole number -Round to 1 decimal place -Understand percentages -Percentages as fractions -Percentages as decimals -Equivalent fractions, decimals and percentages Perimeter and Area -Perimeter of rectangles -Perimeter of rectilinear shapes -Perimeter of polygons -Area of rectangles -Area of compound shapes -Estimate area Statistics -Draw line graphs -Read and interpret line graphs -Read and interpret tables -Two-way tables -Read and interpret timetables Shape -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	-Area of a triangle – counting squares -Area of a right-angled triangle -Area of any triangle -Area of a parallelogram -Volume – counting cubes -Volume of a cuboid Statistics -Line graphs -Dual bar charts -Read and interpret pie charts -Pie charts with percentages -Draw pie charts -The mean Shape -Measure and classify angles -Calculate angles -Vertically opposite angles -Angles in a triangle -Angles in a triangle – special cases -Angles in a triangle – missing angles -Angles in a quadrilateral -Angles in polygons -Circles -Draw shapes accurately -Nets of 3-D shapes Position and Direction -The first quadrant -Read and plot points in four quadrants -Solve problems with coordinates -Translations -Reflections
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	-Hours and minutes use durations -Minutes and seconds -Units of time -Solve problems with time Shape -Turns and angles -Right angles -Compare angles -Measure and draw accurately -Horizontal and vertical -Parallel and perpendicular -Recognise and describe 2-D shapes -Draw polygons -Recognise and describe 3-D shapes -Make 3-D shapes Statistics -Interpret pictograms -Draw pictograms -Interpret bar charts -Draw bar charts -Collect and represent data -Two-way tables	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	-Lengths and angles in shapes -Regular and irregular polygons -3-D shapes Position and Direction -Read and plot coordinates -Problem solving with coordinates -Translation -Translation with coordinates -Lines of symmetry - Step 6 Reflection in horizontal and vertical lines Decimals -Use known facts to add and subtract decimals within 1 -Complements to 1 -Add and subtract decimals across 1 -Add decimals with the same number of decimal places -Subtract decimals with the same number of decimal places Decimals -Add decimals with different numbers of decimal places -Subtract decimals with different numbers of decimal places -Efficient strategies for adding and subtracting decimals -Decimal sequences -Multiply by 10, 100 and 1,000 -Divide by 10, 100 and 1,000 -Multiply and divide decimals – missing values Negative Numbers	
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			-Understand negative numbers -Count through zero in 1s -Count through zero in multiples -Compare and order negative numbers -Find the difference Converting Units -Kilograms and kilometres -Millimetres and millilitres -Convert units of length -Convert between metric and imperial units -Convert units of time -Calculate with timetables Volume -Cubic centimetres -Compare volume -Estimate volume -Estimate capacity	
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