EYFS	Number	Pattern Spotting	Addition & Subtraction	Multiplication and Division	Fractions, Percentages and ratio	Shape, Space & Measures
Pupils will learn to:	1 Recite the number sequence, 2 Count to and from different numbers, forwards 3 Count to and from different numbers, backwards 4 Count objects accurately 6 Select a numeral to represent a quantity in a group 7 Find the group that has more or less 8 Compare two numbers saying which is larger or smaller 18 Partition numbers into two parts 19 Partition numbers into more than two parts 20 Say how many are hidden in a known number of items 24 Order events	11 Continue or create a repeating pattern 5 Subitise 9 Order numbers	13 Combine two quantities to add 14 Count on to add 15 Find one more 16 Take away and say what is left 17 Find one less			10 Identify something longer or shorter than something else 12 Identify similarities and differences between 3D shapes 22 Use positional language 23 Identify similarities and differences between 2D shapes 21 Find something heavier or lighter than something else

Year 1 Pupils will learn to:	1 Count up to 30 5 Write numbers to 100 in numerals 7 Identify one more and one less than a given number 24 Recognise and know the value of different denominations of coins and notes	2 Order numbers up to 30 6 Compare and order numbers to 100	3 Write and interpret mathematical statements +, − and = 8 Represent and use number bonds within 10 (addition facts) 9 Represent and use number bonds within 10 (subtraction facts) 11 Represent and use number bonds for 11 to 16 (addition facts) 12 Represent and use number bonds for 11 to 16 (subtraction facts) 14 Represent and use number bonds within 20 (addition facts) 15 Represent and use number bonds within 20 (subtraction facts) 19 Add and subtract 1 and 2-digit numbers up to 20	22 Represent multiplication using concrete objects and pictorial representations 23 Represent division using concrete objects and pictorial representations	16 Recognise and find one half 17 Recognise and find one quarter	4 Recognise rectangle, square, triangle and circle 10 Recognise cuboids, pyramids and spheres 13 Measure length and height 18 Use the language of position, direction and movement 20 Know the days of the week and months of the year 21 Tell the time to the hour and half past

Year 2 Pupils will learn to:	1 Read and write 2-digit numbers 4 Find 10 more or less than a 2-digit number 21 Calculate change 22 Combine coins to make amounts	2 Compare and order numbers up to 100	3 Recall and use addition facts to 10 7 Know that addition is commutative and subtraction is not 5 Add two 2-digit numbers 8 Subtract two 2-digit numbers 9 Recall and use subtraction facts to 10	10 Understand how multiplication can be represented 11 Know that multiplication is commutative and division is not 12 Understand how division can be represented 14 Know and use multiplication facts for 2, 5 and 10 multiplication tables 15 Know and use division facts for 2, 5 and 10 multiplication tables 16 Read scales in divisions of 1, 2, 5 and 10 24 Recall factor-factor-product relationships for 2, 5 and 10 multiplication tables	18 Recognise and find one third 19 Recognise and find three quarters	6 Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces 13 Describe turns using right angles 17 Use standard units to measure length, mass and height 20 Tell the time to quarter to/past and 5 minute intervals

| Year 3 Pupils will learn to: | 1 Read and write 3-digit numbers
2 Compare and order numbers up to 1000
3 Finding 10 or 100 more or less than a given number
4 Recognise and count in tenths | | 6 Add numbers with up to 3-digits mentally
7 Subtract numbers with up to 3-digits mentally
11 Add numbers with up to 3-digits using a formal written method
12 Subtract numbers with up to 3-digits using a formal written method
13 Choose efficient methods to add and subtract numbers up to 3-digits | 8 Know and use multiplication facts for 3, 4 and
8 multiplication tables
9 Know and use division facts for 3, 4 and 8 multiplication tables
14 Multiply 2-digit by 1-digit numbers mentally
15 Divide 2-digit by 1-digit numbers mentally
16 Multiply 2-digit by 1-digit numbers using a formal written method
24 Recall factor-factor-product relationships for 3, 4 and 8 multiplication tables | 10 Compare and order fractions with same numerator or same denominator
17 Calculate fractions of amounts
18 Add and subtract fractions with the same denominator | 5 Recognise horizontal, vertical, perpendicular and parallel lines
19 Tell the time to the nearest minute
20 Calculate durations of events
21 Measure the perimeter of shapes
22 Identify angles in shapes |

	1 Read and write 4-digit numbers 2 Compare and order numbers up to 10,000 3 Round any number up to 4-digits to the nearest 10, 100 or 1000		5 Add and subtract numbers with up to 4-digits mentally 8 Add and subtract numbers with up to 4-digits using a formal written method 11 Choose efficient methods to add and subtract numbers up to 4-digits 21 Add and subtract decimal numbers (up to 2 decimal places) including measures and money)	6 Know and use multiplication facts for 6, 7 and 9 multiplication tables 7 Know and use division facts for 6, 7 and 9 multiplication tables 9 Know and use multiplication facts for 11 and 12 multiplication tables 10 Know and use division facts for 11 and 12 multiplication tables 12 Multiply 2-digit by a 1-digit using the distributive law 13 Multiply 3-digit by a 1-digit using a formal written method 14 Divide a 3-digit by a 1-digit number 15 Use place value, known and derived facts to multiply and divide mentally 20 Recall factor-factor-product relationships for	18 Add and subtract fractions with the same denominator beyond the whole 19 Find families of equivalent fractions	4 Classify quadrilaterals 16 Identify acute and obtuse angles 22 Find the area of rectilinear shapes by counting squares 23 Describe and plot positions on a 2-D grid as coordinates in the first quadrant 24 Convert between analogue and digital 12 and 24-hour clocks and other units of time

Year 5 Pupils will learn to:	1 Read and write numbers up to 1,000,000 2 Compare and order numbers up to 1,000,000 3 Compare and order decimals with up to 3 decimal places 4 Round numbers to 1 decimal place, nearest whole number and 10, 100, 1000, 10000 5 Count forwards and backwards with positive and negative numbers		6 Add and subtract whole numbers with more than 4 digits choosing efficient methods 7 Add and subtract decimals with up to 3 decimal places choosing efficient method	8 Multiply and divide whole numbers and decimals by 10, 100 and 1000 9 Identify and use multiples, factors and prime numbers 10 Multiply numbers up to 4-digits by 1 or 2-digits using a formal written method 11 Divide numbers up to 4-digits by 1-digits using a formal written method of division 12 Use known facts and place value to multiply a whole number by a decimal 13 Multiply decimal numbers (1 or 2 decimal places) by 1-digit using a formal written method	14 Compare and order fractions whose denominators are all multiples of the same number 15 Read and write decimal numbers (up to 3 decimal places) as fractions 16 Understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100 18 Convert mixed numbers to improper fractions and vice versa 19 Add mixed numbers and proper fractions with denominators that are the same and multiples of each other 20 Subtract proper fractions from mixed numbers with denominators that are the same and multiples of each other 21 Multiply fractions and	17 Convert between adjacent units of metric measure 22 Calculate the area of rectangles 23 Draw given angles, and measure them, in degrees (°) 24 Interpret line graphs

Year 6 Pupils will learn to:	1 Read, write and order numbers up to 10,000,000 5 Calculate intervals across zero 23 Use simple formulae expressed in words 24 Find possible values in missing number problems involving one or two unknowns			2 Multiply and divide numbers by 10, 100 and 1000 3 Multiply numbers up to 4 digits by a 2-digit number choosing efficient methods 4 Divide numbers up to 4 digits by a two-digit number choosing efficient methods and interpreting the remainders	8 Simplify fractions 9 Compare and order fractions, including fractions > 1 10 Know and use simple fraction, decimal and percentage equivalents 14 Add and subtract fractions with denominators that are not multiples of each other 15 Add and subtract mixed numbers 16 Multiply simple pairs of proper fractions 17 Divide proper fractions by a whole number 18 Find percentages of an amount *19 Use simple ratio to compare quantities*	6 Describe and plot positions on a 2-D grid as coordinates in the four quadrants 7 Reflect and translate shapes 11 Compare and classify 2-D and 3-D shapes 12 Know and use angle properties of straight lines, at a point and shapes 13 Draw simple shapes using given lengths and angles 20 Convert between different units of metric measure 21 Calculate the area of triangles and parallelograms 22 Calculate volumes of cuboids