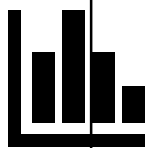




Year 4

Place Value 1 <ul style="list-style-type: none"> Count in 1000s Partition numbers into 1000s, 100s, 10s and 1s Estimate, figure out and place numbers on a number line to 1000 Find 1000 more and 1000 less than a given number Compare 4-digit numbers Place numbers in ascending and descending order 	Fractions and Decimals 1 <ul style="list-style-type: none"> Identify tenths and hundredths using a hundred square Express tenths as decimals Read and represent tenths on a place value chart Read and represent tenths on a number line 	Place Value 2 <ul style="list-style-type: none"> Round to the nearest 10 Round to the nearest 100 Round to the nearest 1000 	Addition and Subtraction 5 <ul style="list-style-type: none"> Chose and use efficient methods for subtraction Provide estimated answers Use checking strategies Develop mental methods for addition and subtraction 	Place Value 3 <ul style="list-style-type: none"> Recognise that the number line continues back past 0 and that the numbers to the left of 0 are negative numbers. Know the difference between a positive number and 0 and a negative number and 0. Count back through 0 	Addition and Subtraction 6 <ul style="list-style-type: none"> Solve two-step word problems Continue to develop mental methods for addition and subtraction
Addition and Subtraction 1 <ul style="list-style-type: none"> Add 1s, 10s, 100s and 1000s Add two 4-digit numbers no carrying Add a 1, 2 or 3-digit number to a 4-digit number, no carrying 	Fractions and Decimals 2 <ul style="list-style-type: none"> Divide 1-digit numbers by 10 Divide 2-digit numbers by 10 Identify and represent hundredths Represent hundredths in decimal form Represent hundredths on a place value chart Divide 1 and 2-digit numbers by 100 	Addition and Subtraction 3 <ul style="list-style-type: none"> Add two 4-digit numbers with one carry Add two 4-digit numbers with more than one carry 	Multiplication and Division 6 <ul style="list-style-type: none"> Multiply 3 1-digit numbers Identify factor pairs within known tables Multiply using efficient mental strategies Use various informal multiplication methods 	Place Value 4 <ul style="list-style-type: none"> Explore different representations of 4-digit numbers Solve problems involving large positive numbers 	Multiplication and Division 7 <ul style="list-style-type: none"> Solve two-step word problems involving multiplication and division
Addition and Subtraction 2 <ul style="list-style-type: none"> Subtract a 4-digit number from a 4-digit number no exchange Subtract a 1, 2 or a 3-digit number from a 4-digit number no exchange Solve one and two-step addition and subtraction word problems 	Multiplication and Division 4 <ul style="list-style-type: none"> Divide 2-digit numbers by 1-digit numbers with no remainders Divide 2-digit numbers by 1-digit numbers with remainders Divide 3-digit numbers by 1-digit numbers 	Addition and Subtraction 4 <ul style="list-style-type: none"> Subtract a 4-digit number from a 4-digit number with one exchange Subtract a 4-digit number from a 4-digit number with more than one exchange Subtract a 2, 3 or 3-digit number from a 4-digit number with more than one exchange 	Shape 1 <ul style="list-style-type: none"> Identify acute and obtuse angles drawn as angles and within shapes Order and compare angles Identify equilateral, isosceles, right-angled and scalene triangles Compare angles in polygons; determine if a polygon is regular or irregular according to angles and side lengths 	Fractions and Decimals 5 <ul style="list-style-type: none"> Explore fractions in different representations Use diagrams to identify equivalent fractions Identify and represent fractions greater than 1 Count in fractions 	Shape 3 <ul style="list-style-type: none"> Describe positions in the first quadrant Read and plot coordinates in the first quadrant Draw shapes in the first quadrant
Multiplication and Division 1 <ul style="list-style-type: none"> Multiply and divide by 6 Become fluent in the 6x table Multiply and divide by 9 Become fluent in the 9x table 	Multiplication and Division 5 <ul style="list-style-type: none"> Multiply and divide by 7 Become fluent in the 7x table Explore the 11 and 12x table 	Fractions and Decimals 3 <ul style="list-style-type: none"> Use tenths and hundredths to make a whole Write numbers with up to two decimal places Represent halves and quarters as decimals 	Shape 2 <ul style="list-style-type: none"> Identify various quadrilaterals - kite, rhombus, square, rectangle, trapezium and parallelogram Find lines of symmetry Create symmetrical figures where the shape touches and does not touch the mirror line 	Fractions and Decimals 6 <ul style="list-style-type: none"> Add two or more fractions beyond 1 including where one denominator is double the other Subtract fractions including where one denominator is double the other Subtract fractions from a whole Calculate fractions of quantities Calculate quantities from a fractional amount 	Shape 4 <ul style="list-style-type: none"> Move shapes and coordinates in the first quadrant Describe the movement of shapes and coordinates in the first quadrant Translate shapes on a grid Translate coordinates on a grid Draw axes
Multiplication and Division 2 <ul style="list-style-type: none"> Multiply by 10 Multiply by 100 Divide by 10 Divide by 100 	Measures 1 <ul style="list-style-type: none"> Use decimal notation for £ and p Compare and order amounts of money Round to the nearest pound and estimate sums of money 	Fractions and Decimals 4 <ul style="list-style-type: none"> Compare numbers with either one or two decimal places. Order numbers with either one or two decimal places. Round numbers with one decimal place to the nearest whole 	Measures 4 <ul style="list-style-type: none"> Multiply and divide by 1000 Convert between metres and kilometres, grams and kilograms and litres and millilitres 	Measures 6 <ul style="list-style-type: none"> Recognise that area is a measure of 2D space in cm² Find area by counting squares Make shapes using a given number of squares to compare the area of rectilinear shapes 	Multiplication and division 8 <ul style="list-style-type: none"> Use area models to multiply 2-digit by 2-digit numbers Multiply 2-digit by 2-digit numbers Solve correspondence questions, eg. there are 36 legs in the room, a combination of penguins and elephants, how many of each might there be? Multiply and divide by 1 Multiply by 0 and explain why you can't divide by 0
Multiplication and Division 3 <ul style="list-style-type: none"> Multiply 2-digit numbers by 1-digit numbers Multiply 3-digit numbers by 1-digit numbers 	Measures 2 <ul style="list-style-type: none"> Convert between hours, minutes and seconds Convert between analogue and 12-hour digital reading 	Measures 3 <ul style="list-style-type: none"> Convert between years, months, weeks and days Convert between analogue and 24-hour digital reading 	Measures 5 <ul style="list-style-type: none"> Calculate perimeter on a grid by counting Calculate perimeter of a rectangle – given width and length in mm, cm or m Calculate perimeter of a rectilinear shape where all side lengths are given 	Measures 7 <ul style="list-style-type: none"> Estimate, compare and calculate measures Solve measures problems, including with £, m and cm using decimal numbers 	Data 1 <ul style="list-style-type: none"> Read information from tables Interpret information from tables Solve problems using information from tables



STATISTICS:

Explore temperature line graphs – Science Autumn 1 (States of matter)
 Make comparisons, find the sum and difference using tables and charts –
 Science Spring 2 (Biology)
 Make comparisons, find the sum and difference using line graphs – Science
 Summer 2 (Forces)
 Compare the use of a bar chart to show discrete data and a line graph to show
 continuous data – Summer 2 (Forces) Ramp height and vehicle type

COMPUTING: Use of data loggers to collect data about sound, light and
 temperature in a room; Tell the story of a line graph; ask and answer questions
 about data represented in line graphs.