

Year 4 Autumn Term
Unit 1 – number and place value
Count in multiples of 3
Count in multiples of 6
Count in multiples of 9
Count backwards through zero to include negative numbers
Recognise the place value of each digit in a 4-digit number
Identify, represent and estimate numbers using different representations
Solve number and practical problems that involve all of the above and with increasingly large positive numbers
Unit 2 – addition and subtraction
Add and Subtract numbers with up to four digits using the formal written methods of columnar addition where appropriate.
Estimate and use inverse operations to check answers to a calculation.
Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
Unit 3 – factors and calculating
Count in multiples of 6
Count in multiples of 9
Recall and use multiplication and division facts for the six times table
Recall and use multiplication and division facts for the nine times table
Recall and use multiplication and division facts for the twelve times table
Use place value, known and derived facts to multiply and divide mentally, including multiplying together three numbers, recognising and using factor pairs and commutativity in mental calculations
Solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by single-digit numbers.
Unit 4 – 2d shapes, angles and symmetry
Identify acute and obtuse angles and compare and order angles up to two right angles by size.
Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.
Identify lines of symmetry in 2-D shapes presented in different orientations.
Unit 5 – different numbers
Count in multiples of 6
Count in multiples of 7
Count in multiples of 9
Count in multiples of 25
Count in multiples of 1000
Count backwards through zero to include negative numbers
Recognise the place value of each digit in a 4-digit number
Order and compare numbers beyond 1000.
Identify, represent and estimate numbers using different representations
Round any number to the nearest 10, 100 or 1000
Solve number and practical problems that involve all of the above and with increasingly large positive numbers.
Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to the concept of zero and place value
Year 4 Spring Term
Unit 6 – Using mental and written methods to solve problems

Add numbers with up to 4 digits using the formal written methods of columnar addition where appropriate
Subtract numbers with up to 4 digits using the formal written methods of columnar addition where appropriate
Estimate and use inverse operations to check answers to a calculation
Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
Convert between different units of measure (km/m and hour/minute).
Read, write and convert time between analogue and digital 12 and 24 hour clocks.
Solve problems involving converting from hours to minutes; minutes to seconds; years to months and weeks to days.
Interpret and present discrete and continuous data using appropriate graphical methods for bar charts
Interpret and present discrete and continuous data using appropriate graphical methods for time graphs
Solve comparison, sum and difference problems using information presented in bar charts
Solve comparison, sum and difference problems using information presented in pictograms
Solve comparison, sum and difference problems using information presented in tables
Estimate, compare and calculate using different measures, including money in pounds and pence.
Unit 7 – Fractions and decimals
Recognise and show, using diagrams, families of common equivalent fractions
Solve problems involving increasingly harder fractions to calculate quantities and fractions to divide quantities including non-unit fractions where the answer is a whole number
Add fractions with the same denominator
Subtract fractions with the same denominator
Count up and down in hundredths and recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10
Recognise and write decimal equivalents of any number of tenths or hundredths
Recognise and write decimal equivalents to a quarter, half and three quarters
Find the effect of dividing a single number by 10 or 100 identifying the value of the digits in the answer as ones, tenths and hundredths
Find the effect of dividing a 2 digit number by 10 or 100 identifying the value of the digits in the answer as ones, tenths and hundredths
Unit 8 – Methods for multiplying
Count in multiples of 7
Recall multiplication and division facts for the 7 times table
Recall multiplication and division facts for the 11 times table
Use place value, known and derived facts to multiply and divide mentally, multiplying by 0 and 1
Use place value, known and derived facts to multiply and divide mentally, multiplying together three numbers
Multiply 2 digit numbers by a single-digit number using a formal written layout
Solve problems involving multiplying and adding
Unit 9 – Polygons and coordinates
Compare and classify geometric shapes, including all types of quadrilaterals and triangles based on their properties and size
Describe positions on a 2-D grid as coordinates in the first quadrant
Describe movement between positions as translations of a given unit to the left/right and up/down
Plot specified points and draw sides to complete a given polygon
Year 4 Summer Term
Unit 10 – Number and place value in real life

Count in multiples of 25
Count in multiples of 1000
Find 1000 more than a given number
Find 1000 less than a given number
Recognise the place value of each digit in a 4 digit number (thousands, hundreds, tens and ones)
Identify, represent and estimate numbers using different representations
Solve number and practical problems that involve all of the above with increasingly large positive numbers
Unit 11 – Addition and subtraction problems
Add numbers up to 4 digits using the formal written method of column addition where appropriate
Subtract numbers up to 4 digits using the formal written method of column addition where appropriate
Estimate and use inverse operations to check answers to a calculation
solve simple measures problems involving fractions and decimals to two decimal places
solve simple money problems involving fractions and decimals to two decimal places
Estimate, compare and calculate different measures including money in £/p
Solve addition and subtraction two-step problems in contexts deciding which operation and methods to use and why
Unit 12 – Decimals and fractions in real life
Recognise and write decimal equivalents of any number of tenths or hundredths
Recognise and write decimal equivalents to quarter, half and three quarters
Recognise and show, using diagrams, families of common equivalent fractions
Add fractions with the same denominator
Subtract fractions with the same denominator
Round decimals with one decimal place to the nearest whole number
Compare numbers with the same number of decimal places up to 2 decimal places
Unit 13 – Multiplication tables
Count in multiples of 25
Count in multiples of 1000
Recall multiplication and division facts for the 3 times table
Recall multiplication and division facts for the 6 times table
Recall multiplication and division facts for the 9 times table
Recall multiplication and division facts for the 7 times table
Recall multiplication and division facts for the 11 times table
Recall multiplication and division facts for the 12 times table
Multiply 2 digit and 3 digit numbers by a single digit number using the formal written layout of column multiplication
Solve problems involving multiplying and adding
Solve problems involving multiplication and adding including integer scaling problems and harder correspondence problems such as n objects are connected with m objects
Unit 14 – Perimeter, area and symmetry
Measure and calculate the perimeter of rectilinear figures (including squares) in centimetres and metres
Find the area of rectilinear shapes by counting squares
Measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m
Identify acute and obtuse angles and compare and order angles up to two right angles by size
Complete simple symmetrical figures with respect to a specific line of symmetry