

Year 4 Primary Mathematics Planning Framework

Autumn 1 Domain Focus	Wks	Learning Objectives (Remember these are end of year expectations..... Work towards them) use small steps as guidance towards it... However, not all children will be on the same small step.....
Number, Place Value Focus	1-2	➤ count in multiples of 6, 7, 9, 25 and 1000 ➤ find 1000 more or less than a given number ➤ recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) ➤ order and compare numbers beyond 1000 ➤ solve number and practical problems that involve all of the above and with increasingly large positive numbers.
Addition and Subtraction	3-4	➤ add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction 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
Measurement (Money)	5	➤ estimate, compare and calculate different measures, including money in pounds and pence
Multiplication and Division	6-7	➤ recall multiplication and division facts for multiplication tables up to 12×12 ➤ use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers ➤ recognise and use factor pairs and commutativity in mental calculations ➤ solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling and harder correspondence problems such as n objects are connected to m objects.
Autumn 2 Domain Focus	Wks	Learning Objectives (Remember these are end of year expectations..... Work towards them) use small steps as guidance towards it... However, not all children will be on the same small step.....
Number, Place Value focus	8-9	➤ recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) ➤ identify, represent and estimate numbers using different representations ➤ round any number to the nearest 10, 100 or 1000 ➤ read Roman numerals to 100 (I to C) and know that, over time, the numeral system changed to include the concept of zero and place value. ➤ count backwards through zero to include negative numbers
Multiplication and Division	10-11	➤ recall multiplication and division facts for multiplication tables up to 12×12 ➤ use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers ➤ recognise and use factor pairs and commutativity in mental calculations ➤ solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling and harder correspondence problems such as n objects are connected to m objects. ➤ multiply two-digit and three-digit numbers by a one-digit number using formal written layout

Year 4 Primary Mathematics Planning Framework

Fractions (including decimals)	12- 13	➤ count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten ➤ recognise and show, using diagrams, families of common equivalent fractions ➤ add and subtract fractions with the same denominator ➤ recognise and write decimal equivalents of any number of tenths or hundredths ➤ recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ ➤ 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 ➤ find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths ➤ round decimals with one decimal place to the nearest whole number ➤ compare numbers with the same number of decimal places up to two decimal places
Measurement (Length and Perimeter)	14	➤ measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres ➤ to find the area of rectilinear shapes by counting squares. ➤ convert between different units of measure [for example, kilometre to metre]

Spring 1 Domain Focus	Wks	Learning Objectives Remember these are end of year expectations..... Work towards them) use small steps as guidance towards it... However, not all children will be on the same small step.....
Addition and Subtraction	15-16	➤ add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction 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
Geometry (Shape)	17-18	➤ compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes ➤ identify acute and obtuse angles and compare and order angles up to two right angles by size ➤ identify lines of symmetry in 2-D shapes presented in different orientations. ➤ complete a simple symmetric figure with respect to a specific line of symmetry
Measurement (Time)	19	➤ 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; weeks to days ➤ convert between different units of measure [for example, hour to minute]
Spring 2 Domain Focus	Wks	Learning Objectives Remember these are end of year expectations..... Work towards them) use small steps as guidance towards it... However, not all children will be on the same small step.....

Year 4 Primary Mathematics Planning Framework

Multiplication and Division	20-21	➤ recall multiplication and division facts for multiplication tables up to 12×12 ➤ use place value, known and derived facts to multiply and ➤ divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers ➤ multiply two-digit and three-digit numbers by a one-digit number using formal written layout ➤ recognise and use factor pairs and commutativity in mental calculations ➤ solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling and harder correspondence problems such as n objects are connected to m objects
Fractions	22-23	➤ 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

Summer 1 Domain Focus	Wks	Learning Objectives Remember these are end of year expectations..... Work towards them) use small steps as guidance towards it... However, not all children will be on the same small step.....
Number, Place Value Focus	24	➤ count in multiples of 6, 7, 9, 25 and 1000 ➤ find 1000 more or less than a given number ➤ identify, represent and estimate numbers using different representations ➤ round any number to the nearest 10, 100 or 1000 read Roman numerals to 100 (I to C) and know that, over time, the numeral system changed to include the concept of zero and place value.
Measurement (Length/Area)	25-26	➤ measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres ➤ to find the area of rectilinear shapes by counting squares. ➤ convert between different units of measure [for example, kilometre to metre
Geometry (Position and Direction)	27	➤ describe positions on a 2-D grid as coordinates in the first quadrant ➤ describe movements 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.
Summer 2 Domain Focus	Wks	Learning Objectives Remember these are end of year expectations..... Work towards them) use small steps as guidance towards it... However, not all children will be on the same small step.....
Multiplication and division	28-29	➤ recall multiplication and division facts for multiplication tables up to 12×12 ➤ use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers ➤ recognise and use factor pairs and commutativity in mental calculations ➤ multiply two-digit and three-digit numbers by a one-digit number using formal written layout ➤ solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling and harder correspondence problems such as n objects are connected to m objects. ➤ find the area of rectilinear shapes by counting squares.

Year 4 Primary Mathematics Planning Framework

Fractions / Decimals	30-31	➤ count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten ➤ recognise and show, using diagrams, families of common equivalent fractions ➤ add and subtract fractions with the same denominator ➤ recognise and write decimal equivalents of any number of tenths or hundredths ➤ recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$. ➤ find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths ➤ round decimals with one decimal place to the nearest whole number ➤ compare numbers with the same number of decimal places up to two decimal places ➤ solve simple measure and money problems involving fractions and decimals to two decimal places
Statistics	32	➤ interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs ➤ solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs