

Year 4 Small Steps Maths Planning: Steps taken from White Rose planning.

For detail about each step, please refer to the relevant White Rose Scheme of Learning
Please remember that each step is not necessarily one lesson. In some cases, depending on the cohort, one step may take several lessons, in others, more than one step may be incorporated into a single lesson.

Autumn term		
	Step	White Rose SOW Position
Number: Place Value		
	Represent numbers to 1,000	Autumn
	Partition numbers to 1,000	Autumn
	Number line to 1,000	Autumn
	Thousands	Autumn
	Find 1,10,100,1,000 more or less	Autumn
	Roman numerals	Autumn
	Round to the nearest 10	Autumn
	Round to the nearest 100	Autumn
Number: Addition and Subtraction		
	Add and subtract 1s, 10s, 100s and 1,000s	Autumn
	Add up to two 4-digit numbers - no exchange	Autumn
	Add two 4-digit numbers - one exchange	Autumn
	Add two 4-digit numbers - more than one exchange	Autumn
	Subtract two 4-digit numbers - no exchange	Autumn
	Subtract two 4-digit numbers - one exchange	Autumn
	Subtract two 4-digit numbers - more than one exchange	Autumn
	Efficient subtraction	Autumn
	Estimate answers	Autumn
	Checking strategies	Autumn
Number: Multiplication and division		
	Multiples of 3	Autumn (A)
	Multiply and divide by 6	Autumn (A)
	6 times-tables and division facts	Autumn (A)

	Multiply and divide by 9	Autumn (A)
	9 times-tables and division facts	Autumn (A)
	The 3,6 and 9 times tables	Autumn (A)
	Multiply and divide by 7	Autumn (A)
	7 times-tables and division facts	Autumn (A)
	11 time-tables and division facts	Autumn (A)
	12 times-tables and division facts	Autumn (A)
	Multiply by 1 and 0	Autumn (A)
	Divide a number by 1 and itself	Autumn (A)
	Multiply 3 numbers	Autumn (A)
Number: Fractions		
	Understand the whole	Spring
	Count beyond 1	Spring
	Partition a mixed number	Spring
	Number lines with mixed numbers	Spring
	Compare and order mixed numbers	Spring
	Understand improper fractions	Spring
	Convert mixed numbers to improper fractions	Spring
	Convert improper fractions to mixed numbers	Spring
Measurement: Area		
	What is area	Autumn
	Count Squares	Autumn
	Make shapes	Autumn
	Compare areas	Autumn
Geometry: Shape		
	Understand angles as turns	Summer
	Identify angles	Summer
	Compare and order angles	Summer
	Triangles	Summer
	Quadrilaterals	Summer

	Polygons	Summer
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Spring term		
	Step	White Rose SOW Position
Number: Place Value		
	Represent numbers to 10,000	Autumn
	Partition numbers to 10,000	Autumn
	Flexible partitioning of numbers to 10,000	Autumn
	Number line to 10,000	Autumn
	Estimate on a number line to 10,000	Autumn
	Round to the nearest 1,000	Autumn
Number: Multiplication and Division		
	Informal written methods for multiplication*	Spring (B)
	Multiply a 2-digit number by a 1-digit number	Spring (B)
	Multiply a 3-digit number by a 1-digit number	Spring (B)
	Factor Pairs	Spring (B)
	Use factor pairs	Spring (B)
	Multiply by 10	Spring (B)
	Multiply by 100	Spring (B)
	Divide by 10	Spring (B)
	Divide by 100	Spring (B)
	Related facts multiplication and division	Spring (B)
Number: Fractions		
	Equivalent fractions on a number line	Spring
	Equivalent fraction families	Spring
	Add two or more fractions	Spring
	Add fractions and mixed numbers	Spring
	Subtract two fractions	Spring
	Subtract from whole amounts	Spring

	Subtract from mixed numbers	Spring
Measurement: Length and Perimeter		
	Measure in kilometres and metres	Spring
	Equivalent lengths (kilometres and metres)	Spring
	Perimeter on a grid	Spring
	Perimeter of a rectangle	Spring
	Perimeter of rectilinear shapes	Spring
	Find missing lengths in rectilinear shapes	Spring
	Calculate the perimeter of rectilinear shapes	Spring
	Perimeter of regular polygons	Spring
	Perimeter of polygons	Spring
Number: Decimals (A)		
	Tenths as fractions	Spring
	Tenths as decimals	Spring
	Tenths on a place value chart	Spring
	Tenths on a number line	Spring
	Divide a 1-digit number by 10	Spring
	Divide a 2-digit number by 10	Spring
	Hundredths as fractions	Spring
	Hundredths as decimals	Spring
	Hundredths on a place value chart	Spring
	Divide a 1 or 2-digit number by 100	Spring

Summer		
	Step	White Rose SOW Position
Number: Place Value		
	Compare numbers to 10,000	Autumn
	Order numbers to 10,000	Autumn
	Round to the nearest 10, 100 or 1,000	Autumn
Number: Multiplication and Division		
	Divide a 2-digit number by a 1-digit number (1)	Spring (B)
	Divide a 2-digit number by a 1-digit number (2)	Spring (B)
	Divide a 3-digit number by a 1-digit number	Spring (B)
	Correspondence problems	Spring (B)
	Efficient multiplication	Spring (B)
Number: Decimals (B)		
	Make a whole with tenths	Summer
	Make a whole with hundredths	Summer
	Partition decimals	Summer
	Flexibly partition decimals	Summer
	Compare decimals	Summer
	Order decimals	Summer
	Round to the nearest whole number	Summer
	Halves and quarters as decimals	Summer
Measurement: Money		
	Write money using decimals	Summer
	Convert between pounds and pence	Summer
	Compare amounts of money	Summer
	Estimate with money	Summer
	Calculate with money	Summer
	Solve problems with money	Summer
Geometry: Position and Direction		

	Describe position using coordinates	Summer
	Plot coordinates	Summer
	Draw 2-D shapes on a grid	Summer
	Translate on a grid	Summer
	Describe translation on a grid	Summer
Measurement: Time		
	Years, weeks, months and days	Summer
	Hours, minutes and seconds	Summer
	Convert between analogue and digital times	Summer
	Convert to the 24 hour clock	Summer
	Convert from the 24 hour clock	Summer
Geometry: Shape		
	Lines of symmetry	Summer
	Complete a symmetric figure	Summer
Statistics		
	Interpret charts	Summer
	Comparison, sum and difference	Summer
	Interpret line graphs	Summer
	Draw line graphs	Summer

- For informal and written methods of multiplication, see Calculation Policy to ensure that this is being followed. Additional methods should only be used if children need an alternative.