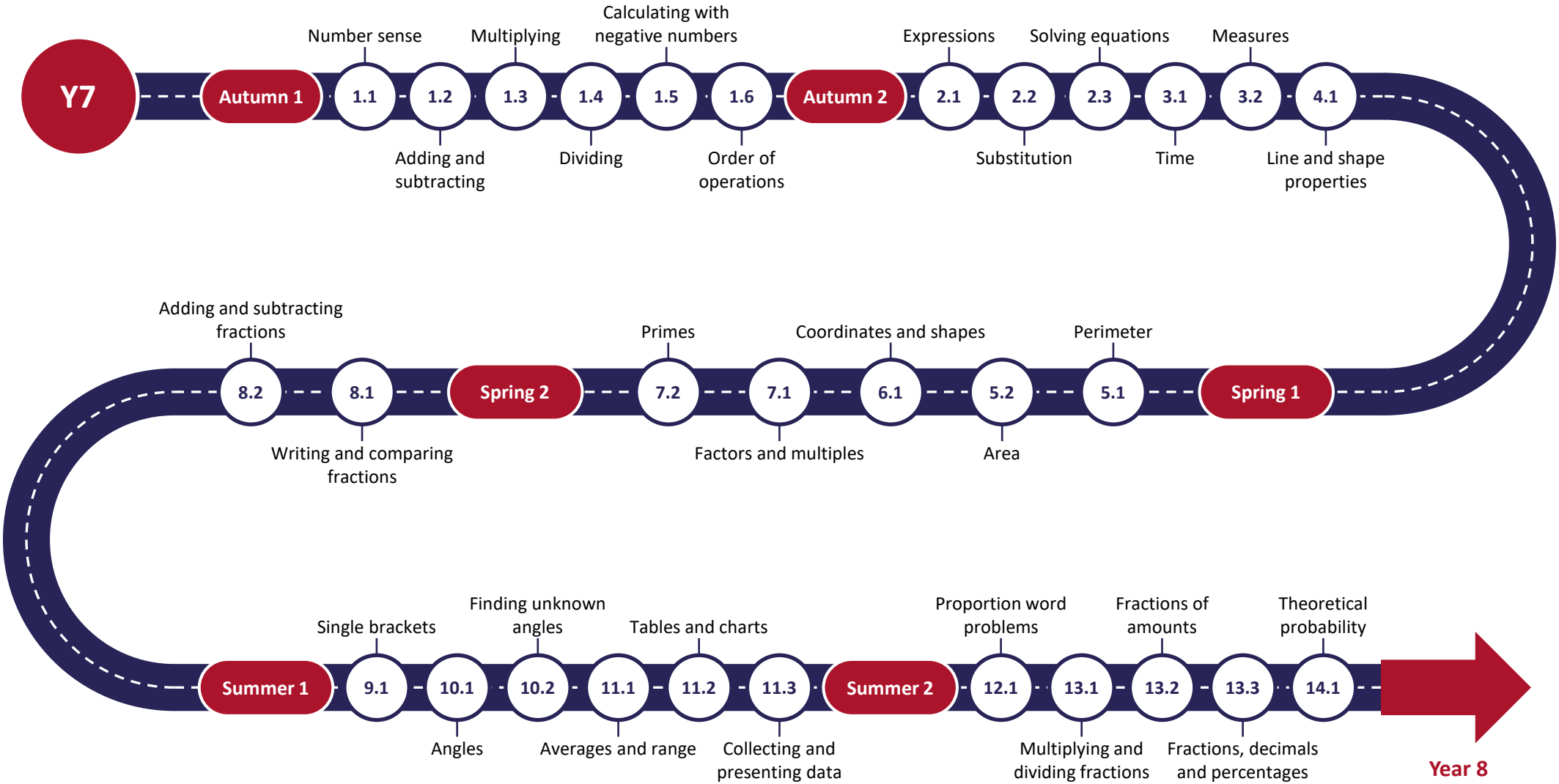
Year 7 Maths Learning Journey

Foxford School · Sparx Maths · 2026–27

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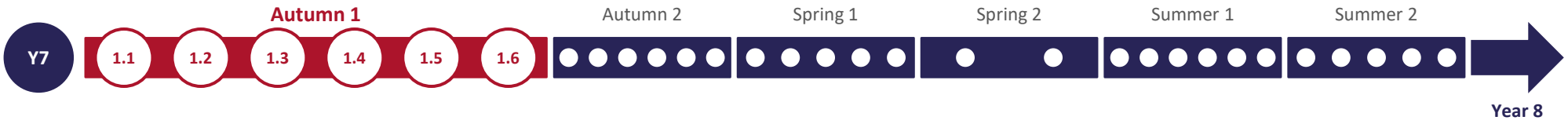


Year 7 · Autumn 1 Learning Plan

31 Aug – 23 Oct 2026 · Sparx Maths

Week beginning	Unit	What I will learn (Sparx code)	Key vocabulary
31 Aug	*Baseline and settling in*		
7 Sep	**1.1 Number sense**	**M763** Using number lines **M704** Integer place value **M522** Decimal place value **M527** Ordering negative numbers **M111** Rounding integers **M431** Rounding decimals	Integer · Decimal · Place value · Negative number · Round · Estimate · Remainder · Inverse operation
14 Sep	**1.2 Adding and subtracting**	**M928** Adding integers **M429** Adding decimals **M347** Subtracting integers **M152** Subtracting decimals	
21 Sep	**1.3 Multiplying**	**M113** Multiplying and dividing by 10, 100 and 1000 **M911** Multiplying using place value **M187** Using a written method to multiply integers **M803** Using a written method to multiply decimals	
28 Sep	**1.4 Dividing**	**M462** Dividing numbers into equal groups **M354** Using a written method to divide integers **M873** Dividing with remainder **M262** Using a written method to divide by integers to get a decimal answer **M491** Using a written method to divide by decimals	
5 Oct	**1.5 Calculating with negative numbers**	**M106** Adding and subtracting with negative numbers **M288** Multiplying and dividing with negative numbers	
12 Oct 19 Oct	**1.6 Order of operations**	**M135** Calculating with roots and powers **M521** Using the correct order of operations **M952** Using the commutative laws **M409** Using the associative laws	

Where this half term fits in Year 7

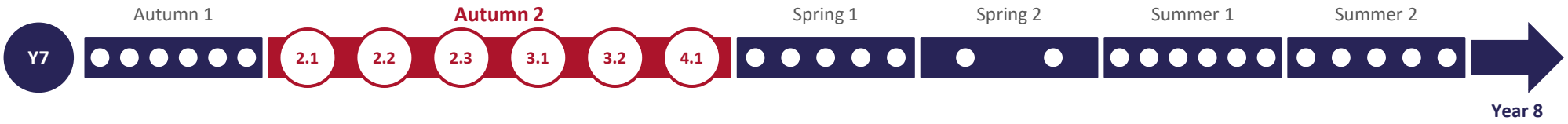


Year 7 · Autumn 2 Learning Plan

2 Nov – 18 Dec 2026 · Sparx Maths

Week beginning	Unit	What I will learn (Sparx code)	Key vocabulary
2 Nov	**2.1 Expressions**	**M813** Algebraic notation **M830** Algebraic terminology **M795** Simplifying expressions containing a single variable **M531** Simplifying expressions containing multiple variables **M949** Simplifying expressions containing non-linear terms	Expression · Equation · Variable · Term · Simplify · Solve · Formula · Substitution
9 Nov	**2.2 Substitution**	**M417** Substituting into expressions with one operation **M327** Substituting into expressions with multiple operations **M208** Substituting into algebraic formulae **M979** Substituting into real-life formulae	
16 Nov	**2.3 Solving equations**	**M707** Solving equations with one step **M634** Solving equations of the form ax+b=c **M647** Solving equations of the form x/a+b=c	
23 Nov	**3.1 Time**	**M515** Converting units of time **M892** Using clocks **M627** Calculating with time **M963** Using timetables **M747** Using calendars	Convert · Duration · 24-hour clock · Timetable · Estimate · Appropriate unit · Leap year · Analogue clock
30 Nov	**3.2 Measures**	**M828** Estimating and measuring length, mass and capacity **M774** Converting units of length, mass and capacity **M487** Using appropriate units	
7 Dec	**4.1 Line and shape properties**	**M814** Line properties **M276** Shape properties **M523** Symmetry	Polygon · Quadrilateral · Parallel lines · Perpendicular lines · Regular shape · Line of symmetry · Equilateral triangle · Isosceles triangle
14 Dec	*Assessment and review week*		

Where this half term fits in Year 7



Year 7 · Spring 1 Learning Plan

4 Jan – 12 Feb 2027 · Sparx Maths

Week beginning	Unit	What I will learn (Sparx code)	Key vocabulary
4 Jan	**5.1 Perimeter**	**M920** Finding perimeters using grids **M635** Finding the perimeter of rectangles and simple shapes **M690** Finding the perimeter of compound shapes	Perimeter · Area · Compound shape · Formula · Dimension · Square units · Base
11 Jan 18 Jan	**5.2 Area**	**M900** Finding areas using grids **M390** Finding the area of rectangles **M269** Finding the area of compound shapes **M610** Finding the area of triangles **M996** Finding the area of compound shapes containing triangles	
25 Jan	**6.1 Coordinates and shapes**	**M618** Reading and plotting coordinates **M230** Solving shape problems involving coordinates	Coordinate · Axis (plural: axes) · Plot · Origin · x-coordinate · y-coordinate · Vertex / vertices · Midpoint
1 Feb	**7.1 Factors and multiples**	**M227** Finding the lowest common multiple **M823** Finding factors and using divisibility tests **M698** Finding the highest common factor	Factor · Multiple · Common factor / common multiple · Product · Prime number · Lowest common multiple (LCM) · Highest common factor (HCF) · Prime factor decomposition
8 Feb	**7.2 Primes**	**M322** Finding prime numbers **M108** Prime factor decomposition	

Where this half term fits in Year 7



Year 7 · Spring 2 Learning Plan

22 Feb – 26 Mar 2027 · Sparx Maths

Week beginning	Unit	What I will learn (Sparx code)	Key vocabulary
22 Feb 1 Mar	**8.1 Writing and comparing fractions**	**M158** Finding fractions of shapes **M939** Constructing fractions **M410** Finding equivalent fractions **M671** Simplifying fractions **M335** Ordering fractions **M601** Converting between mixed numbers and improper fractions	Fraction · Numerator · Denominator · Equivalent fractions · Simplify · Mixed number · Improper fraction · Common denominator
8 Mar 15 Mar	**8.2 Adding and subtracting fractions**	**M835** Adding and subtracting fractions **M931** Adding and subtracting mixed numbers	
22 Mar	*Assessment and review week*		

Where this half term fits in Year 7

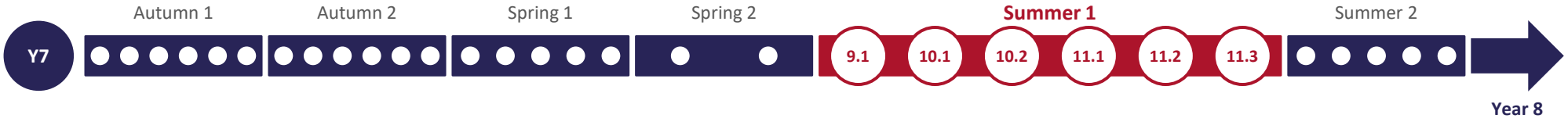


Year 7 · Summer 1 Learning Plan

12 Apr – 28 May 2027 · Sparx Maths

Week beginning	Unit	What I will learn (Sparx code)	Key vocabulary
12 Apr	**9.1 Single brackets**	**M637** Using the distributive law **M237** Expanding single brackets **M792** Expanding single brackets and simplifying expressions **M100** Factorising into one bracket	Expression · Term · Expand · Factorise · Simplify · Constant
19 Apr	**10.1 Angles**	**M502** Types of angles **M541** Estimating angles **M780** Measuring angles **M331** Drawing angles	Angle · Estimate · Protractor · Degree (°) · Acute angle · Right angle · Obtuse angle · Reflex angle
26 Apr	**10.2 Finding unknown angles**	**M818** Angles on a line and about a point **M163** Vertically opposite angles **M351** Angles in triangles	
3 May	**11.1 Averages and range**	**M328** Calculating the range **M934** Calculating the median **M841** Finding the mode **M940** Calculating the mean	Data · Frequency · Average · Interpret · Mean · Range · Tally chart · Pictogram
10 May	**11.2 Tables and charts**	**M899** Interpreting frequency tables and two-way tables **M597** Drawing and interpreting tally charts **M644** Drawing and interpreting pictograms **M460** Drawing bar charts **M738** Interpreting bar charts	
17 May	**11.3 Collecting and presenting data**	**M945** Collecting and recording data using tables **M127** Finding averages from frequency tables **M440** Choosing suitable averages and solving problems	
24 May	*Assessment and review week*		

Where this half term fits in Year 7



Year 7 · Summer 2 Learning Plan

7 Jun – 23 Jul 2027 · Sparx Maths

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Week beginning	Unit	What I will learn (Sparx code)	Key vocabulary
7 Jun	**12.1 Proportion word problems**	**M478** Solving proportion problems	Proportion · Quantity · Compare · Convert · Best buy
14 Jun	**13.1 Multiplying and dividing fractions**	**M216** Reciprocals **M157** Multiplying fractions **M110** Dividing fractions **M197** Multiplying with mixed numbers **M265** Dividing with mixed numbers	Fraction · Decimal · Percentage (%) · Convert · Order · Mixed number · Improper fraction · Cancel (a fraction)
21 Jun	**13.2 Fractions of amounts**	**M695** Fractions of amounts without a calculator **M684** Fractions of amounts with a calculator	
28 Jun 5 Jul	**13.3 Fractions, decimals and percentages**	**M958** Converting between fractions and decimals **M264** Converting between fractions, decimals and percentages **M553** Ordering fractions, decimals and percentages **M235** Writing numbers as percentages of other numbers	
12 Jul 19 Jul	**14.1 Theoretical probability**	**M655** Using probability phrases **M941** Writing probabilities as fractions **M938** Writing probabilities as fractions, decimals and percentages **M755** Probabilities of mutually exclusive events **M718** Sample space diagrams	Probability · Event · Outcome · Fair · Probability scale · Equally likely · Biased · Impossible

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