

Year 8	Block	Unit	Topics	Topic Code	Building blocks	Topic Code
Terms 1 and 2	Percentages	Percentages of amounts	Finding percentages of amounts without a calculator	M437	Converting between fractions, decimals and percentages	M264
			Finding percentages of amounts with a calculator	M905	Fractions of amounts without a calculator	M695
					Fractions of amounts with a calculator	M684
		Percentage change	Percentage change without a calculator	M476	Finding percentages of amounts without a calculator	M437
			Percentage change with a calculator	M533	Finding percentages of amounts with a calculator	M905
	Money	Calculating with money	Operations with money	M222	Solving proportion problems	M478
			Value for money	M681	Adding decimals	M429
					Subtracting decimals	M152
					Using a written method to multiply decimals	M803
					Using a written method to divide by integers to get a decimal answer	M262
	Indices	Index laws	Index rules with positive indices	M608	Calculating with roots and powers	M135
			Index rules with negative indices	M150	Simplifying fractions	M671
			Simplifying expressions using index laws	M120	Algebraic notation	M813
			Simplifying algebraic fractions by cancelling common factors	M568		
	Equations	Solving equations	Solving equations of the form $(x+a)/b=c$	M401	Solving equations with one step	M707
			Solving linear equations involving brackets	M902	Expanding single brackets	M237
			Solving equations with the unknown on both sides	M554	Solving equations of the form $ax+b=c$	M634
			Solving equations with the unknown in the denominator	M387	Solving equations of the form $x/a+b=c$	M647
			Constructing and solving equations	M957	Simplifying expressions containing a single variable	M795
					Substituting into expressions with multiple operations	M327
	Sequences	Term-to-term rules	Term-to-term rules for numerical sequences	M381	Using number lines	M763
			Term-to-term rules for sequences of patterns	M241	Adding and subtracting with negative numbers	M106
		Position-to-term rules	Substituting into position-to-term rules	M166	Term-to-term rules for numerical sequences	M381
			Position-to-term rules for arithmetic sequences	M991	Term-to-term rules for sequences of patterns	M241
	Ratio	Ratio	Position-to-term rules for sequences of patterns	M866	Solving equations of the form $ax+b=c$	M634
					Substituting into expressions with multiple operations	M327
			Writing and simplifying ratios	M885	Finding the highest common factor	M698
			Writing ratios in the form 1:n	M543	Constructing fractions	M939
			Converting between ratios, fractions and percentages	M267	Writing numbers as percentages of other numbers	M235
			Using equivalent ratios to find unknown amounts	M801		
			Sharing amounts in a given ratio	M525		
		Scale diagrams	Drawing and interpreting scale diagrams	M112	Writing and simplifying ratios	M885
					Using equivalent ratios to find unknown amounts	M801
					Writing ratios in the form 1:n	M543

Term	Block	Unit	Topics	Topic Code	Building blocks	Topic Code
Terms 3 and 4	Rounding	Significant figures	Rounding integers using significant figures Rounding decimals using significant figures Estimating calculations	M994 M131 M878		
	Coordinates	Coordinates and midpoints	Calculating midpoints Mixed problems: Coordinates and midpoints	M622 M311	Reading and plotting coordinates	M618
	Area	Area and units	Finding the area of parallelograms Finding the area of trapeziums Converting units of area	M291 M705 M728	Finding the area of rectangles Finding the area of compound shapes Finding the area of triangles Finding the area of compound shapes containing triangles Converting units of length	M390 M269 M610 M996 M772
	Circles	Area and circumference	Identifying parts of circles Finding the circumference of circles Finding the area of circles	M595 M169 M231	Calculating with roots and powers Substituting into algebraic formulae Rounding decimals	M135 M208 M431
	Standard form	Standard form and ordinary numbers	Using standard form with positive indices Using standard form with negative indices	M719 M678	Multiplying and dividing by 10, 100 and 1000	M113
	Venn diagrams	Venn diagrams	Venn diagrams Probabilities from Venn diagrams	M829 M419	Writing probabilities as fractions Writing probabilities as fractions, decimals and percentages Probabilities of mutually exclusive events	M941 M938 M755
		Factors, multiples and primes	Finding the HCF and LCM using prime factor decomposition	M365	Venn diagrams Finding the lowest common multiple Finding factors and using divisibility tests Finding the highest common factor Finding prime numbers Prime factor decomposition	M829 M227 M823 M698 M322 M108
	3D shapes	Nets	Properties of 3D shapes Nets of 3D shapes	M767 M518	Shape properties	M276
	Surface area and volume	Surface area	Finding the surface area from a net Finding the surface area of cubes and cuboids Finding the surface area of prisms	M884 M534 M661	Nets of 3D shapes Finding the area of compound shapes Finding the area of compound shapes containing triangles Converting units of length	M518 M269 M996 M772
		Volume	Finding the volume of cubes and cuboids Finding the volume of prisms Converting units of volume	M765 M722 M465	Finding the area of compound shapes Finding the area of compound shapes containing triangles Converting units of length	M269 M996 M772

Term	Block	Unit	Topics	Topic Code	Building blocks	Topic Code
Terms 5 and 6	Linear graphs	Plotting graphs and finding equations	Plotting horizontal, vertical and diagonal lines Plotting straight line graphs Finding equations of straight line graphs	M797 M932 M544	Reading and plotting coordinates Substituting into algebraic formulae	M618 M208
	Transformations	Transforming shapes	Translation Reflection	M139 M290	Reading and plotting coordinates	M618
	Angles	Finding unknown angles	Angles in quadrilaterals Combining angle facts Angles on parallel lines Using quadrilateral properties to find angles Angles in polygons	M679 M319 M606 M393 M653	Angles on a line and about a point Vertically opposite angles Angles in triangles	M818 M163 M351
	Statistical diagrams	Drawing and interpreting statistical diagrams	Drawing pie charts Interpreting pie charts Drawing line graphs Interpreting line graphs Drawing stem-and-leaf diagrams Interpreting stem-and-leaf diagrams Finding averages from diagrams	M574 M165 M140 M183 M648 M210 U854	Drawing angles Angles on a line and about a point Fractions of amounts without a calculator Averages and range	M331 M818 M695 M328 M934 M841 M940
	Inequalities	Linear inequalities	Reading and drawing linear inequalities on number lines Solving single inequalities	M384 M118	Using number lines Solving equations with one step Mixed problems: solving equations with two or more steps	M763 M707 M509
	Brackets	Double brackets	Expanding double brackets	M960	Expanding single brackets and simplifying expressions	M792
	Algebraic fractions	Fractions review	Calculating with fractions Calculating with mixed numbers	M645 M619	Adding and subtracting fractions Adding and subtracting mixed numbers Multiplying fractions Multiplying with mixed numbers Dividing fractions Dividing with mixed numbers	M835 M931 M157 M197 M110 M265
		Algebraic fractions	Simplifying algebraic fractions by factorising Adding and subtracting algebraic fractions	M754 M336	Calculating with fractions Simplifying algebraic fractions by cancelling common factors Factorising into one bracket	M645 M568 M100
	Recurring decimals	Fractions and recurring	Using recurring decimal notation Converting fractions to recurring decimals	M701 M922	Using a written method to divide by integers to get a decimal answer Converting between fractions, decimals and percentages	M262 M264