

Term	Block	Unit	Topics	Topic Code	Building blocks	Topic Code	Further topics to explore	Topic Code		
Term 1	Number sense and calculations	Number sense	Using number lines	M763						
			Integer place value	M704						
			Decimal place value	M522						
			Ordering negative numbers	M527						
			Rounding integers	M111						
			Rounding decimals	M431						
	Number sense and calculations	Adding and subtracting	Adding integers	M928	Integer place value	M704				
			Adding decimals	M429	Decimal place value	M522				
			Subtracting integers	M347						
			Subtracting decimals	M152						
			Number sense and calculations	Multiplying	Multiplying and dividing by 10, 100 and 1000	M113	Times tables			
					Multiplying using place value	M911	Integer place value	M704		
	Using a written method to multiply integers	M187			Decimal place value	M522				
Number sense and calculations	Dividing	Using a written method to multiply decimals	M803							
		Dividing numbers into equal groups	M462	Times tables						
		Using a written method to divide integers	M354	Integer place value	M704					
Number sense and calculations	Calculating with negative numbers	Dividing with remainder	M873	Decimal place value	M522					
		Using a written method to divide by integers to get a	M262							
		Using a written method to divide by decimals	M491							
Number sense and calculations	Order of operations	Adding and subtracting with negative numbers	M106	Times tables						
		Multiplying and dividing with negative numbers	M288	Using number lines	M763					
				Ordering negative numbers	M527					
Number sense and calculations	Order of operations	Calculating with roots and powers	M135	Times tables						
		Using the correct order of operations	M521	Adding	M928, M429					
		Using the commutative laws	M952	Subtracting	M347, M152					
Number sense and calculations	Order of operations	Using the associative laws	M409	Multiplying	M187, M803					
				Dividing	M354, M262, M491					
				Calculating with negative numbers	M106, M288					
Expressions and equations	Expressions	Algebraic notation	M813	Times tables						
		Algebraic terminology	M830	Using the correct order of operations	M521					
		Simplifying expressions containing a single variable	M795	Using the commutative laws	M952					
		Simplifying expressions containing multiple variables	M531	Using the associative laws	M409					
	Expressions and equations	Substitution	Simplifying expressions containing non-linear terms	M949	Calculating with negative numbers	M106, M288				
			Substituting into expressions with one operation	M417	Times tables					
Expressions and equations	Solving equations	Substituting into expressions with multiple operations	M327	Using the correct order of operations	M521					
		Substituting into algebraic formulae	M208	Calculating with negative numbers	M106, M288					
		Substituting into real-life formulae	M979	Algebraic notation	M813					
Measures	Time	Solving equations with one step	M707	Function machines	M175, M428	Solving equations of the form $(x+a)/b=c$ (Year 8)	M401			
		Solving equations of the form $ax+b=c$	M634	Algebraic notation	M813	Solving equations with the unknown on both sides	M554			
		Solving equations of the form $x/a+b=c$	M647	Substituting into expressions	M417, M327	Constructing and solving equations (Year 8 Term	M957			
Measures	Time	Using the correct order of operations		M521						
		Calculating with negative numbers		M106, M288						
		Using timetables								
Measures	Time	Using calendars								
		Converting units of time	M515							
		Using clocks	M892							
Measures	Time	Calculating with time	M627							
		Using timetables	M963							
		Using calendars	M747							

Term 2		Measures	Estimating and measuring length, mass and capacity Converting units of length, mass and capacity Using appropriate units	M828 M774 M487	Multiplying and dividing by 10, 100 Using number lines	M113 M763		
	2D Shapes	Line and shape properties	Line properties Shape properties Symmetry	M814 M276 M523			Properties of 3D shapes (Year 8 Term 2)	M767
	Perimeter and area	Perimeter	Finding perimeters using grids Finding the perimeter of rectangles and simple Finding the perimeter of compound shapes	M920 M635 M690	Adding Line properties Shape properties	M928, M429 M814 M276		
		Area	Finding areas using grids Finding the area of rectangles Finding the area of compound shapes Finding the area of triangles Finding the area of compound shapes containing	M900 M390 M269 M610 M996	Multiplying Line properties Shape properties	M187, M803 M814 M276	Finding the area of parallelograms (Year 8 Term 2) Finding the area of trapeziums (Year 8 Term 2)	M291 M705
	Coordinates	Coordinates and shapes	Reading and plotting coordinates Solving shape problems involving coordinates	M618 M230	Shape properties	M276	Calculating midpoints (Year 8 Term 2)	M622
	Factors, multiples and primes	Factors and multiples	Finding the lowest common multiple Finding factors and using divisibility tests Finding the highest common factor	M227 M823 M698	Times tables Dividing numbers into equal groups Using a written method to divide	M462 M354		
		Primes	Finding prime numbers Prime factor decomposition	M322 M108	Times tables Finding factors and using divisibility Dividing numbers into equal groups	M823 M462	Finding the HCF and LCM using prime factor	M365
	Fractions	Writing and comparing fractions	Finding fractions of shapes Constructing fractions Finding equivalent fractions Simplifying fractions Ordering fractions Converting between mixed numbers and improper	M158 M939 M410 M671 M335 M601	Finding the lowest common multiple Finding the highest common factor	M227 M698	Simplifying algebraic fractions by cancelling	M568
		Adding and subtracting fractions	Adding and subtracting fractions Adding and subtracting mixed numbers	M835 M931	Finding the lowest common multiple Finding the highest common factor Finding equivalent fractions Simplifying fractions Converting between mixed numbers	M227 M698 M410 M671 M601		
	Brackets	Single brackets	Using the distributive law Expanding single brackets Expanding single brackets and simplifying Factorising into one bracket	M637 M237 M792 M100	Algebraic notation Simplifying expressions containing a Finding the highest common factor	M813 M795 M698	Simplifying algebraic fractions by factorising (Year 8 Term 3) Expanding double brackets (Year 8 Term 3)	M754 M336
	Angles	Angles	Types of angles Estimating angles Measuring angles Drawing angles	M502 M541 M780 M331				
		Finding unknown angles	Angles on a line and about a point Vertically opposite angles Angles in triangles	M818 M163 M351	Types of angles Solving equations with one step Solving equations of the form $ax + b$	M502 M707 M634	Angles in quadrilaterals (Year 8 Term 3) Combining angle facts (Year 8 Term 3)	M679 M319
Handling data and statistical diagrams	Averages and range	Calculating the range Calculating the median Finding the mode Calculating the mean	M328 M934 M841 M940	Place value Adding Subtracting Multiplying Dividing	M763, M704 M928, M429 M347, M152 M187, M803 M354, M262			
	Tables and charts	Interpreting frequency tables and two-way tables Drawing and interpreting tally charts Drawing and interpreting pictograms	M899 M597 M644			Interpreting frequency tables with grouped data	U312	

Term 3

Statistical diagrams		Drawing bar charts Interpreting bar charts	M460 M738				
	Collecting and presenting data	Collecting and recording data using tables Finding averages from frequency tables Choosing suitable averages and solving problems	M945 M127 M440	Averages and the range Interpreting frequency tables and two- Drawing and interpreting tally charts Drawing and interpreting pictograms Drawing and interpreting bar charts	M328, M899 M597 M644 M460, M738		
Proportion	Proportion word problems	Solving proportion problems	M478				
Fractions, decimals and percentages	Multiplying and dividing fractions	Reciprocals Multiplying fractions Dividing fractions Multiplying with mixed numbers Dividing with mixed numbers	M216 M157 M110 M197 M265	Simplifying fractions Converting between mixed numbers	M671 M601		
	Fractions of amounts	Fractions of amounts without a calculator Fractions of amounts with a calculator	M695 M684	Multiplying fractions Solving proportion problems	M157 M478		
	Fractions, decimals and percentages	Converting between fractions and decimals Converting between fractions, decimals and Ordering fractions, decimals and percentages Writing numbers as percentages of other numbers	M958 M264 M553 M235	Constructing fractions Finding equivalent fractions Simplifying fractions Ordering fractions Converting between mixed numbers	M939 M410 M671 M335 M601	Using recurring decimal notation (Year 8 Term 3) Converting fractions to recurring decimals (Year 8	M701 M922
Probability	Theoretical probability	Using probability phrases Writing probabilities as fractions Writing probabilities as fractions, decimals and Probabilities of mutually exclusive events Sample space diagrams	M655 M941 M938 M755 M718	Constructing fractions Adding and subtracting fractions Converting between fractions, Ordering fractions, decimals and Writing numbers as percentages of	M939 M835 M264 M553 M235		