

Term	Block	Unit	Topics	Topic Code	Building blocks	Topic Code	Further topics to explore	Topic Code
Term 1	Fractions and percentages	Fractions, decimals and percentages review	Converting between fractions, decimals and percentages Ordering fractions, decimals and percentages Finding fractions of amounts without a calculator Finding fractions of amounts with a calculator Finding percentages of amounts without a calculator Finding percentages of amounts with a calculator	U888 U594 U881 U916 U554 U349	Finding equivalent fractions Ordering fractions Multiplying fractions	U704 U746 U475	Converting fractions to recurring decimals (Year 10H Term 3)	U550
		Percentage change	Percentage change without a calculator Percentage change with a calculator Finding original values in percentage calculations Finding the percentage an amount has been changed by Simple interest calculations	U773 U671 U286 U278 U533	Finding percentages of amounts without a calculator Finding percentages of amounts with a calculator	U554 U349	Compound interest calculations (Year 10 Term 1)	U332
	Probability	Theoretical and experimental probability	Expected results from repeated experiments Calculating experimental probabilities Frequency trees	U166 U580 U280	Writing probabilities as fractions, decimals and percentages Probabilities of mutually exclusive events Finding fractions of amounts Finding percentages of amounts	U510 U683 U881, U916 U554, U349		
	Standard form	Calculations with standard form	Multiplying and dividing numbers in standard form Adding and subtracting numbers in standard form Standard form with a calculator	U264 U290 U161	Using standard form with positive indices Using standard form with negative indices Index rules with positive indices Index rules with negative indices	U330 U534 U235 U694		
	Inequalities	Linear inequalities	Solving inequalities with the unknown on both sides Solving double inequalities Constructing and solving inequalities	U738 U145 U337	Reading and drawing inequalities on number lines Solving single inequalities	U509 U759	Graphs of linear inequalities (Year 11H Term 2)	U747
	Quadratic equations	Factorising and solving quadratic equations	Factorising quadratic equations of the form x^2+bx+c Factorising the difference of two squares Factorising to solve quadratic equations of the form $x^2+bx+c=0$	U178 U963 U228	Expanding double brackets Factorising into one bracket	U768 U365	Completing the square (Year 10H Term 3) Factorising quadratic expressions of the form ax^2+bx+c (Year 10H Term 3) Factorising to solve quadratic equations of the form $ax^2+bx+c=0$	U397 U858 U960
	Formulae	Rearranging formulae	Changing the subjects of formulae with one step Changing the subjects of formulae with two or more steps	U675 U181	Solving equations with two or more steps Solving equations with the variable on both sides Solving equations with the variable in the denominator	U325 U870 U505		
	Constructions	Constructing bisectors and perpendicular lines	Constructing bisectors of angles Constructing perpendicular bisectors and lines	U787 U245	Using a ruler Using a pair of compasses	M985 M196	Constructing loci (Year 10 Term 1) Constructing triangles (Year 9 Term 3)	U820 U187
	Circles	Circles and cylinders	Finding the arc length of sectors Finding the area of sectors Finding the surface area of cylinders Finding the volume of cylinders	U221 U373 U464 U915	Identifying parts of circles Finding the circumference of circles Finding the area of circles Finding the surface area of prisms Finding the volume of prisms	U767 U604 U950 U259 U174	Finding the surface area of cones (Year 10 Term 1) Finding the surface area of spheres (Year 10 Term 1) Finding the volume of cones (Year 10 Term 1) Finding the volume of spheres (Year 10 Term 1)	U523 U893 U116 U617
	Term 2	Rounding	Error intervals	Finding error intervals Truncating decimals Finding error intervals for truncated numbers	U657 U108 U301	Rounding integers Rounding decimals Rounding integers using significant figures Rounding decimals using significant figures	U480 U298 U731 U965	Finding bounds for calculations (Year 10H Term 3)
3D shapes		Representations of 3D shapes	Plans and elevations	U743	Properties of 3D shapes	U719		
Pythagoras' theorem		Pythagoras' theorem in 2D	Using Pythagoras' theorem in 2D Applying Pythagoras' theorem in 2D	U385 U828	Calculating with roots and powers Solving equations with two or more steps	U851 U325	Using Pythagoras' theorem in 3D (Year 11H Term 1) Understanding sin, cos, tan (Year 10 Term 1) Finding unknown sides in right-angled triangles (Year 10 Term 1) Finding unknown angles in right-angled triangles (Year 10 Term 1)	U541 U605 U283 U545
Ratio and proportion		Ratio	Writing and simplifying ratios Sharing amounts in a given ratio	U687 U577	Finding the highest common factor	U529	Combining ratios (Year 10 Term 2) Calculating with ratios and algebra (Year 10 Term 2) Changing ratios (Year 10 Term 2)	U921 U676 U865
		Proportion word problems	Solving direct proportion word problems Solving inverse proportion word problems Currency conversion	U721 U357 U610			Interpreting direct proportion equations (Year 10 Term 3) Interpreting inverse proportion equations (Year 10 Term 3)	U640 U364
Linear graphs		Plotting graphs and finding equations	Plotting straight line graphs Finding equations of straight line graphs Interpreting equations of straight line graphs	U741 U315 U669	Reading and plotting coordinates Plotting horizontal, vertical and diagonal lines Plotting straight line graphs	U789 M797 M932	Equations of parallel lines (Year 10 Term 2) Finding the equation of a straight line from its gradient and a point Finding the equation of a straight line from two points on the line (Year 10 Term 2)	U377 U477 U848
Compound measures		Speed and rates	Calculating with speed Calculating with rates	U151 U256	Substituting into formulae Solving equations with two or more steps Changing the subjects of formulae with two or more steps Reading, converting and calculating with time Converting units of length, mass and capacity	U585, U144 U325, U505 U181 U902 U388	Calculating with density (Year 10 Term 2) Calculating with pressure (Year 10 Term 2)	U910 U527
Motion-time graphs		Distance-time graphs	Plotting distance-time graphs Interpreting distance-time graphs	U403 U914	Calculating with speed Finding equations of straight line graphs	U151 U315	Plotting velocity-time graphs (Year 10 Term 2)	U937

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	Motion-time graphs	Distance-time graphs	Calculating speed from distance-time graphs Plotting distance-time graphs using speeds	U462 U966				
	Quadratic graphs	Plotting and interpreting quadratic graphs	Plotting graphs of quadratic functions Interpreting graphs of quadratic functions Solving quadratic equations graphically	U989 U667 U601	Substituting into algebraic formulae Plotting straight line graphs	U585 U741	Graphs of cubic functions (Year 10 Term 2) Graphs of reciprocal functions (Year 10 Term 2)	U980 U593
	Angles and bearings	Angles	Combining angle facts Angles on parallel lines Using quadrilateral properties to find angles Angles in polygons	U655 U826 U329 U427	Angles on a line and about a point Vertically opposite angles Angles in triangles Angles in quadrilaterals Line and shape properties	U390 U730 U628 U732 U121		
		Bearings	Measuring and drawing bearings Calculating bearings	U525 U107	Understanding, measuring and drawing angles Combining angle facts Angles on parallel lines	U447 U655 U826		
	Transformations	Transforming shapes	Translation Reflection Rotation Enlargement by a positive scale factor Mixed transformations	U196 U799 U696 U519 M881	Translation Reflection	M139 M290	Enlargement by a positive or negative scale factor (Year 10H Term 3) Combining transformations (Year 10 Term 3)	U134 U766
	Similarity and congruence	Similarity	Understanding similarity Finding unknown sides in similar shapes	U551 U578	Solving direct proportion word problems	U721	Finding the perimeter and area of similar shapes (Year 11H Term 3)	U630
		Congruence	Understanding congruence Congruent triangles Constructing triangles	U790 U866 U187				Geometric proofs with congruence and similarity (Year 11H Term 2)
	Handling data and statistical diagrams	Scatter graphs	Plotting scatter graphs Interpreting scatter graphs Using lines of best fit	U199 U277 U128	Reading and plotting coordinates Finding equations of straight line graphs	U789 U315		
		Collecting and presenting data	Types of data Presenting data and making conclusions Comparing populations using diagrams Choosing suitable averages and solving problems	U322 U571 U520 U717	Averages and range Interpreting graphs and charts	U526, U456, U260, U291 U557, U193, U172, U909		
		Grouped data	Interpreting frequency tables with grouped data Finding averages from grouped data Drawing and interpreting frequency polygons	U312 U877 U840	Interpreting frequency tables and two-way tables Finding averages from frequency tables	U981 U569		
	Vectors	Column vectors	Understanding column vectors Adding and subtracting column vectors Multiplying column vectors by a scalar Identifying parallel vectors	U632 U903 U564 U660			Solving geometric problems using vectors	U781