

Number

Topic	Topic code	R	A	G
Using a written method to multiply integers	U127			
Ordering negative numbers	U947			
Understanding and ordering decimals	U435			
Using the correct order of operations	U976			
Multiplying and dividing with negative numbers	U548			
Finding prime numbers	U236			
Finding the highest common factor	U529			
Finding the lowest common multiple (LCM)	U751			
Prime factor decomposition	U739			
Finding the HCF and LCM using prime factor decomposition	U250			
Finding fractions of amounts with a calculator	U916			
Adding and subtracting mixed numbers	U793			
Multiply with mixed numbers	U224			
Converting between fractions, decimals and percentages	U888			
Ordering fractions	U746			
Rounding integers	U480			
Rounding decimals using significant figures	U965			
Estimating calculations	U225			
Calculating with roots and powers	U851			
Using standard form with positive indices	U330			
Using standard form with negative indices	U534			
Adding and subtracting numbers in standard form	U290			
Reading, converting and calculating with time	U902			
Convert units of length, mass & capacity	U388			

Algebra

Topic	Topic code	R	A	G
Using algebraic notation	U613			
Simplifying expressions by collecting like terms	U105			
Function machines	M175			
Solving equations with two or more steps	U325			
Solving inequalities with the unknown on both sides	U738			
Constructing and solving equations	U599			
Substituting into algebraic formulae	U585			
Substituting into real-life formulae	U144			
Changing the subject of formulae with two or more steps	U181			
Factorising into one bracket	U365			
Position-to-term rules for arithmetic sequences	U498			
Simplifying expressions using index laws	U662			
Reading and plotting coordinates	U789			
Plotting straight line graphs	U741			
Finding equations of straight line graphs	U315			
Calculating midpoints	U933			
Plotting graphs of quadratic functions	U989			
Solving quadratic equations graphically	U601			
Using and interpreting linear real-life graphs	U638			

Geometry and Measures

Topic	Topic code	R	A	G
Line and shape properties	U121			
Finding the area and perimeter of simple shapes	U993			
Finding the area of compound shapes	U970			
Finding the volume of cylinders	U915			
Understanding, measuring and drawing angles	U447			
Angles on a line and about a point	U390			
Equations of parallel lines	U377			
Plans and elevations	U743			
Identifying parts of circles	U767			
Finding unknown sides in similar shapes	U578			
Using Pythagoras' theorem in 2D	U385			
Translation	U196			
Rotation	U696			
Reflection	U799			
Constructing loci	U820			

Statistics and Probability

Topic	Topic code	R	A	G
Drawing and interpreting pictograms	U506			
Interpreting stem-and-leaf diagrams	U909			
Drawing bar charts	U363			
Interpreting bar charts	U557			
Drawing pie charts	U508			
Finding averages from grouped data	U877			
Writing probabilities as fractions	U408			
Sample space diagrams	U104			
Two-way tables	U981			
Tree diagrams for independent events	U558			
Venn diagrams with set notation	U748			

Ratio, Proportion and Rates of change

Topic	Topic code	R	A	G
Finding percentages of amounts with a calculator	U349			
Finding original values in percentage calculations	U286			
Solving direct proportion word problems	U721			
Converting units of length, mass and capacity	U388			
Calculating with rates	U256			
Calculating with speed	U151			
Calculating with density	U910			
Simple interest calculations	U533			
Growth and decay	U988			
Writing and simplifying ratios	U687			
Share amounts in a ratio	U577			
Combining ratios	U921			
Drawing and interpreting scale diagrams	U257			