

Number

	Topics	Clip Number	R	A	G
Arithmetic	Fraction arithmetic	65 – 70, 72			
	Decimal arithmetic	47 – 51, 135, 136			
Whole number theory	Types of numbers	25, 99, 100, 101, 111			
	Factors and multiples	27, 31 – 36			
Fractions	Decimals and fractions	52, 73			
	Recurring decimals	53, 54			
Percentages	Percentage calculations	84, 85, 86			
	Percentage change	88, 97, 98			
Powers and roots	Index notation	102			
	Powers of integers	99 – 103			
	Laws of indices	104 – 110			
	Surds and exact calculations	113 – 119			
Approximation and estimation	Rounding	17, 56, 130, 133			
	Estimation	131, 132			
Standard form	Standard form representation	122, 123, 124			
	Standard form calculation	125 – 127			

Ratio, proportion, and rates of change

	Topics	Clip Number	R	A	G
Ratios	Simplify ratios	329, 331			
	Use ratio	332 – 338			
Direct and inverse proportion	Inverse proportion	342, 346 – 348			

Algebra

	Topics	Clip Number	R	A	G
Algebraic expressions	Simplifying algebraic expressions	156 – 159, 173 – 175			
	Formulate algebraic expressions	151 – 153			
	Multiplying out brackets	160 – 166			
	Rearranging formulae	280 – 287			
	Substitute values into expressions	780 – 787			
	Use of brackets	160 – 166			
Algebraic formulae	Use kinematics formulae	788, 789			
Algebraic equations	Quadratic equations	230 – 234, 238, 239, 241, 242, 244, 245			
	Approximate solutions by iteration	322			

Algebra (continued)

	Topics	Clip Number	R	A	G
Graphs of equations and functions	Equations of circles	778, 779			
	Drawing and interpreting graphs	205 – 217, 251 – 257, 298 – 306, 800, 801, 894 – 897			
	Distance/speed – time graphs	874 – 886			
Straight line graphs	Parallel and perpendicular lines	214, 215, 216			
	Equation of a line	205 – 213			

Geometry and measures

	Topics	Clip Number	R	A	G
Units and measurement	Units of speed, distance and time	692, 693, 694, 709, 710, 711, 716 – 724			
Plane isometric transformations	Transformations	637 – 657			
Constructions and loci	Construct loci	674 – 679			
	Maps, bearings and scale drawings	492 – 496, 864 – 871			
Circle geometry	Circumference of a circle and length of an arc	534 – 538, 544, 545			
Area calculations	Area of a rectangle	554			
Triangle mensuration	Trigonometry	848 – 853			
	Exact trigonometric ratios	845 – 847			

Probability

	Topics	Clip Number	R	A	G
Basic probability and experiments	Relative frequency	356, 357			
	Equally likely outcomes and probability	351 – 355			
Combined events and probability diagrams	Venn diagrams and sets	370 – 380, 383 – 388			
	Conditional probability	364 – 367, 389, 390			

Statistics

	Topics	Clip Number	R	A	G
Analysing Data	Graphical misrepresentation	425, 453, 454			
Interpreting and representing data	Pie chart	427, 428, 429			
	Line graph and time series	450, 451, 452			