

Number

	Topics	Clip Number	R	A	G
Whole number theory	Types of numbers	25, 99, 100, 101, 111			
	Factors and multiples	27, 31 – 36			
Percentages	Percentage change	90, 91, 92, 94, 95, 97, 98			
	Reverse percentages	96			
Powers and roots	Index notation	102			
	Laws of indices	104 – 110			
Approximation and estimation	Rounding	17, 56, 130, 133			
Standard form	Standard form calculation	125 – 128			

Ratio, proportion, and rates of change

	Topics	Clip Number	R	A	G
Ratios	Use ratio	332 – 338			
	Calculate with proportions	330			
Direct and inverse proportion	Direct proportion	339, 340, 341, 343, 344, 345, 348, 739 – 742			
Growth and decay	Growth and decay problems	94, 95, 98, 771, 804 – 811			

Algebra

	Topics	Clip Number	R	A	G
Algebraic expressions	Simplifying algebraic expressions	156 – 159, 173 – 175			
	Completing the square	235 – 237			
	Multiplying out brackets	160 – 166			
	Formulae algebraic expressions	151 – 153			
	Rearranging formulae	280 – 287			
	Factorise expressions	168 – 171			
	Use of brackets	160 – 166			
Algebraic equations	Linear equations	178 – 189			
	Quadratic equations	230 – 234, 238, 239, 241, 242, 244, 245			
Algebraic inequalities	Graphical inequalities	273 – 276			
Graphs of equations and functions	Features and types of graphs	208, 209, 251, 257, 298 – 302, 800, 801			
	Trigonometric graphs	303 – 306			
	Transformations of graphs	307 – 313			
	Drawing and interpreting graphs	205 – 217, 251 – 257, 298 – 302, 800, 801, 894 – 897			
	Solution set for inequalities	273 – 276			

Geometry and measures

	Topics	Clip Number	R	A	G
Congruency	Reasons for congruency	682, 684 – 690			
Similarity	Length, area and volume scale factors of similar figures	609 – 621			
Units of measurement	Units of money, distance, time, density, mass, volume and area	692 – 711, 725 – 733			
Area calculations	Area of a triangle	557, 558			
Volume and surface area calculations	Cuboid and prism	568 – 571, 584, 585, 590			
Circle geometry	Area and circumference of a circle	534 – 543			
Triangle mensuration	Trigonometry	508 – 515			
	Solving non-right-angled triangles	516 – 533			

Probability

	Topics	Clip Number	R	A	G
Basic probability and experiments	Equally likely outcomes and probability	351, 352			
Combined events and probability diagrams	Sample spaces	358, 359			
	Enumeration	670 – 673			
	Calculation with the laws of probability	353 – 357, 360 – 363			
	Conditional probability	364 – 367, 389, 390			

Statistics

	Topics	Clip Number	R	A	G
Interpreting and representing data	Cumulative frequency	437 – 440			