

## Number

Topics	Clip Number	R	A	G
Calculating with roots and fractional indices	108, 109, 110			
Converting recurring decimals to fractions	53, 54			
Surds: Rationalising the denominator	118, 119			
Upper and lower bounds	137, 138, 139			

## Algebra

Topics	Clip Number	R	A	G
Expanding triple brackets	166			
Expressions with algebraic fractions	172			
Linear equations with algebraic fractions	187			
Quadratic expressions: Algebraic fractions	229			
Quadratic equations: Factorising	231, 232, 233			
Quadratic equations: Algebraic fractions	244			
Quadratic equations in context	245			
Exponential equations	796, 797, 798, 799			
Equation of a straight line: Perpendicular lines	215, 216			
Quadratic graphs: Turning points and discriminant	256, 243, 258			
Simultaneous equations on graphs: Quadratic/ linear	259, 260			
Graph transformations	307, 308, 309, 310, 311, 312, 313			
Speed-time graphs	881, 882, 883, 884, 885, 886			
Estimating gradient from a curve	887, 888, 889, 890			
Quadratic inequalities	277			
Inverse functions	295, 296			
Functions: Problem solving	297			
Other sequences: Recurrence relations	262			
Quadratic sequences	247, 248, 249, 250			
Direct algebraic proof	325, 326, 327			

## Geometry and measures

Topics	Clip Number	R	A	G
Describe combined transformations	656, 657			
Circle theorems: Angles inside a circle	593, 594, 595, 596, 597			
Circle theorems multi-step	603, 604, 605, 606			
Compound units: Density problem solving	730, 732, 733			
Volume: Problem solving	583			
Similar Shapes: Volume	618, 619, 620, 621			
Right-angled trigonometry: Problem solving	513, 514			
Sine rule	521, 522, 523, 524, 525			
Cosine rule	527, 528, 529, 530			
Vectors: Geometry problems	628, 629, 630, 631, 632, 633, 634, 635, 636			

## Probability

Topics	Clip Number	R	A	G
Product rule for counting	671, 672, 673	<b>y</b>		
Conditional probability	364, 365, 366, 367, 389, 390			
Probability from Venn diagrams	385, 386, 387, 388, 391			

## Statistics

Topics	Clip Number	R	A	G
Quartiles and interquartile range	411, 412			
Mean from grouped frequency tables	418	<b>y</b>		
Averages problems	421			
Cumulative frequency diagrams	437, 438, 439	<b>y</b>		
Box plots	434, 435, 436, 440	<b>y</b>		
Frequency polygons	441	<b>y</b>		
Histograms	442, 443, 444, 445, 446, 447, 448, 449	<b>y</b>		
Capture-recapture	872, 873	<b>y</b>		