

## 7<sup>th</sup> March - Number

	Topics	Clip Number	R	A	G
Fraction	Recurring decimals as fractions	53, 54			
Percentage	Percentage as operator	84, 85, 86			
Indices	Laws of indices	102 – 110			
Standard form	Conversion and Calculation	122, 128			
Surds	Simplification	113 – 119			

## 14<sup>th</sup> March- Algebra

	Topics	Clip Number	R	A	G
Equations	Of a straight line	205 – 216, 176-189			
	Simplification of algebraic fraction	159, 170, 172, 229			
	Factorisation of quadratic	223 – 228			
	Change subject	280 – 287			
	Sketch function	206 – 209, 251, 257, 298 – 305, 307 – 313, 878, 879, 898 – 902			
	Inequality region	273 – 276			
Sequences	Algebraic	196, 197, 198, 262, 263, 264			

## 21<sup>st</sup> March- Ratio and Geometry and Measures

	Topics	Clip Number	R	A	G
Ratio	Proportion problem	339 – 342, 344, 345, 347, 348, 739 – 742			
	Exact trigonometric values	845			
Area and volume	Sector of a circle	544 – 547			
Vectors	Vector geometry	628 – 636			

## 28<sup>th</sup> March- Statistics and Probability

	Topics	Clip Number	R	A	G
	Cumulative frequency	437 – 440			
	Venn diagram	372 – 380, 383 – 388			
	Tree diagram	361 – 367, 389, 390			
	Expected value	355			
	Independent events	358 – 363			

## 4<sup>th</sup> April- Number

	Topics	Clip Number	R	A	G
Properties	Reciprocal	71			
	Bounds	137, 138, 139			
Fractions	Products	67, 68, 69			
Indices	Negative	104 – 110			

## 11<sup>th</sup> April- Algebra

	Topics	Clip Number	R	A	G
Equations	Of a circle	778, 779			
	Linear	176 – 189			
	Quadratic	230 – 234, 238, 239, 241, 242, 244, 245			
	Number line inequality	265, 266			
	Completing the square	235, 236, 237			
	Perpendicular lines	215, 216			
Functions	Inverse	295, 296, 297			
Sequences	Triangular number	261			

## 18<sup>th</sup> April- Ratio

	Topics	Clip Number	R	A	G
Ratio	Share into a ratio	332 – 335			
Fraction	To percentage	76			
Applications	Equation to percentage	176, 82, 83, 87, 89, 90, 97, 98			
	Pressure	734 – 737			

## 25<sup>th</sup> April- Geometry and Measures

	Topics	Clip Number	R	A	G
Area and Volume	Compound shape	555, 558, 582, 591			
	Hemisphere	580, 581, 588			
	Volume scale factor	618 – 621			
Shape	Plan	837 – 844			
	Pythagoras	497 – 507			

## 2<sup>th</sup> May- Statistics and Probability

	Topics	Clip Number	R	A	G
	Pie chart	427, 428, 429			
	Mean	405 – 408, 417, 418			
	Relative frequency	356, 357			
	Expected value	355			
	Notation	351			

## 9<sup>th</sup> May -Number

	Topics	Clip Number	R	A	G
Properties	Highest Common Factor	31, 32			
	Lowest Common Multiple	34, 35, 36			
	Error interval	774 – 777			
Other	Product rule for counting	671, 672, 673			

## 16<sup>rd</sup> May- Algebra

	Topics	Clip Number	R	A	G
Simultaneous Equations	Simultaneous linear/quadratic	190 – 195, 218, 219, 246, 259			
Expansion	Triple bracket	166			
Functions	Composite	293, 294, 297			
Sequences	Arithmetic	196, 197, 198			
	Geometric	264			
	<i>n</i> th term	198, 248, 249, 250			

## 23<sup>th</sup> May- Ratio

	Topics	Clip Number	R	A	G
Ratio	Share into a ratio	332 – 335			
Applications	Average speed	716 – 724			
	Population density	738			
	Compound interest	94, 98, 771, 804, 806			

## 30<sup>th</sup> May- Geometry and Measures

	Topics	Clip Number	R	A	G
	Circle theorems	594 – 606			
	Trigonometry	508 – 515			
	Sine/Cosine rule	521 – 525, 527 – 533			
Vectors	Vector arithmetic	623 – 626			
Other	Bearing	492 – 496, 531, 869			

## 6<sup>th</sup> June- Statistics and Probability

Topics	Clip Number	R	A	G
Histogram	442 – 449			
Box plot	434, 435, 436, 440			
Median, quartiles	409, 411, 416			
Interquartile range	412			
Independent events	358 – 363			