MATHS - FOUNDATION

Paper 1 (non-calculator)	Paper 2 (calculator)	Paper 3 (calculator)

Each paper is 1 hour 30 minutes long. It is recommended that you use your class notes, http://vle.mathswatch.com and https://corbettmaths.com/contents/ to help with your revision. Below are the clips that are relevant to the topics that are to be tested.

Your username is the same as the beginning of your email address: **16aaabbb@bishopchalloner** where **aaa** are the first 3 letters of your first name, and **bbb** are the first 3 letters of your surname. Password is **bishop**

When you log in, click on videos, and select the qualification as 'GCSE'.

Number, Ratio & Proportion	MathsWatch?	Corbett?	Revised?
Ordering numbers	1-3	95, 221	
Rounding numbers (nearest 10, 100, 1000, decimal place)	31-32	276, 277a/b, 278	
Order of operations (BIDMAS)	75	211	
Adding, subtracting, multiplying & dividing integers	17 – 20, 30	6, 91	
Adding, subtracting, multiplying & dividing decimals	17–18, 66, 67	90-95	
Adding, subtracting, multiplying & dividing fractions	25-26, 71-74	132-146	
Ordering fractions, decimals and percentages		144	
Converting between fractions, decimals & percentages	84-85	121-128	
Fractions and percentages of amounts	86-89	234-5	
Increase/decrease by a percentage	108	238	
Money problems	22a, 22b		
Compound interest	164	236	
Ratio (sharing in a given ratio), expressing ratios as fractions, writing in the form n:1	38	269, 269a, 270	
Proportion (including recipe questions and value for money, and proportional (stratified) sampling)	39, 42, 152	255a, 256	
Factors, multiples & primes	28	218, 219	
Exchange rates	105		
Standard Form	83	300	
Powers and roots	29	172	
LCM and HCF	78-80	224	
Error intervals	155	377	

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Algebra	MathsWatch?	Corbett?	Revised?
Algebraic manipulation: collecting like terms	33	9	
Expanding brackets	93	13	
Factorising	94	117	
Substitution	96	20	
Solving linear equations	135a	110, 111, 113	
Solving simultaneous equations	162	295	
Rearranging formulae	136	7	
Straight line graphs: drawing and solving	96	186, 187	
Interpreting quadratic graphs	98	264	
Inequality notation, and solving inequalities including representing on a number line	138-139	176 - 179	
Sequences including Fibonacci	37, 102-104, 141	286-288	

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Handling Data and Geometry	MathsWatch?	Corbett?	Revised?
Unit conversions (cm, m, km, g, kg etc)	4	349a-c	
Averages & range including from tables	62, 130a	50-51, 53-54, 56-57	
Coordinates	8, 113	84	
The probability scale	14	251	
Calculating probabilities	58 - 60	245	
Experimental probabilities	125		
Venn Diagrams and Set Notation	127a-127b	380	
Angles (parallel lines, in a triangle, at a point)	45, 120-122	25, 35, 37	
Angles in polygons	123	32	
Area & perimeter of rectangles, triangles, compound shapes	53-56	43-45, 48-49	
Area & circumference of a circle	117 - 118	59-60	
Tally charts & bar charts, including comparisons	15	321	
Transformations: rotations, reflections, translations, enlargements	48-50, 48	272-275, 104, 325-6	
Vector notation	174	353, 353a	
Two way tables	61	319	
Pictograms	16	161-162	
Frequency Polygons	65a-65b	155-156	
Right angled trigonometry	168	329-331	
Loci and construction	165	75-77	
Nets, plans and elevations	51	354	
Scale drawings, estimating using scales		283	
Volumes of prisms including cylinders and cuboids	115, 1194	355-357	
Timetables (bus, train)	6b	320	