



Bishop Challoner Catholic College **Maths Department**

Year 11 Mocks: Foundation Revision List

Paper 1 (non-calculator): Thursday 7th December 2023

Paper 2 (calculator): Thursday 14th December 2023

Paper 3 (calculator): Monday 18th December 2023

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: **17aaabbb@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'.

Equipment required for each mock: Calculator, protractor, ruler, pen and pencil

Number, Ratio & Proportion

Topic	MathsWatch?	Corbett?	Revised?
Ordering integers and decimals	1-3	95, 221	
Rounding numbers (nearest 10, 100, 1000, decimal place)	31-32	276, 277a/b, 278	
Estimation	91	215	
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	2, 3	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	
Percentage profit	22a, 22b	237	
Money problems	22a, 22b		
Ratio (sharing in a given ratio), expressing ratios as fractions, writing in the form n:1	38	269, 269a, 270	
Combining ratio	165b	271e	
Proportion (including recipe questions and value for money, and proportional (stratified) sampling)	39, 42, 152	255a, 256	
Factors, multiples & primes	28	218, 219	
Standard Form	83	300	
Powers and roots	29	172	
Factors and multiples	28	216, 220	
Error intervals including truncation	155	377	

Algebra

Topic	MathsWatch?	Corbett?	Revised?
Algebraic manipulation: collecting like terms, multiplying terms	33, 34	9, 18	
Forming expressions	137	16	
Expanding brackets	93	13	
Expanding double brackets	134b	14	
Factorising	94	117	
Substitution	96	20	
Solving linear equations	135a	110, 111, 113	
Rearranging formulae	136	7	
Straight line graphs: drawing and solving	96	186, 187	
Inequality notation, and solving inequalities including representing on a number line	138-139	176 - 179	
Sequences including Fibonacci	37, 102-104, 141	286-288	

Handling Data and Geometry

Topic	MathsWatch?	Corbett?	Revised?
Unit conversion	-	350, 351	
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	
Venn Diagrams and Set Notation	127a-127b	380	
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	
Naming parts of circles	116	61	
Surface area of prisms	114a/b, 119	356, 357, 310	
Tally charts & bar charts, including comparisons	15	321	
Stem and leaf diagrams	128b	169-170	
Transformations: rotations, reflections, translations, enlargements	48-50, 48	272-275, 104, 325-6	
Vector notation	174	353, 353a	
Pictograms	16	161-162	
Composite bar charts	-	15	
Scatter Diagrams	129	165-168	
Right angled trigonometry	168	329-331	
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	