

# **How to prepare for a Maths exam.**

**How will we be helping your child prepare?**

**What can your child be doing at home?**

**What resources are available?**



There are 2 tiers of entry, Higher or Foundation.

Higher	9	8	7	6	5	4						
Foundation				5	4	3	2	1				

Final decisions will be made after the PPE.



# Exam board - AQA

**PPEs: 24 Feb, 28 Feb, 6 March**

**GCSEs: 19 May, 7 June, 14 June**

**THREE** written exams

Paper 1 Non calculator (80 marks)  $1\frac{1}{2}$  hours

Paper 2 Calculator (80 marks)  $1\frac{1}{2}$  hours

Paper 3 Calculator (80 marks)  $1\frac{1}{2}$  hours



# **PREPARING FOR EXAMS IN SCHOOL**

## **In Lessons:**

- **Targeting topics specific to reaching their milestone**
- **Problem-solving**
- **Practicing exam technique through weekly exam papers**

## **Morning registration:**

- **targeted intervention for selected pupils**

## **Lunchtime & after school:**

- **revision sessions for all pupils**



## REVISION SESSIONS

When	Classes	Where	Teacher
Monday lunch	Sets 1 & 2 doing triple Science on Thurs	S13	Mrs Sully
Thursday lunch	11A3	S4	Mrs Davis
Thursday after school	11B1 & 11A2	S13	Mrs Sully
Thursday after school	11A4 & 11B6	S1	Mr Berriman
Thursday after school	11A5 & 11B	S14	Mr Pitts
Thursday after school	11A6 & 11B2	S2	Mr Buckingham
Thursday after school	11B3	Q13	Mr George
Thursday after school	11B4	T4	Mr Owen



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# **How can you support your child with maths revision?**





## **PPE & Online Practice papers**

**Teachers will provide feedback  
identifying what topics your child needs  
to work on**





## How to use a PLC (personal learning checklist) effectively

Question Level breakdown:								
Paper 1	Total Marks	% Marks achieved	Paper 2	Total Marks	% Marks achieved	Paper 3	Total Marks	% Marks achieved
1 Similar Shapes (231, 232)	1	100%	1 Substitution (Point on Curve)(20)	1	100%	1 Write as a Fraction (136)	1	100%
2 Fraction multiplication (142)	1	100%	2 Error intervals (377)	1	100%	2 Probability of 2 or more events (243, 244)	1	100%
3 Arc Length (58)	1	100%	5 Loci (75, 76, 77)	3	100%	5 Enlargement (104-104a)	2	100%
4 Decimal to Fraction (123)	1	100%	6 Speed Problem	3	100%	6 Upper and Lower Bounds (183-184)	3	67%
5 Standard form (300)	3	67%	7 Pythagoras and Area (257)	4	100%	7 Density/Proportion (384)	3	100%
6 Probability Tree Diagram (252)	6	17%	8 Curve Sketching (Quadratic) (265)	2	100%	8 Rearranging Formula (7-8)	1	100%
7 Reverse Percentages (240)	2	100%	9 Frequency Table Median (51)	5	80%	9 Forming an Equation (115)	4	100%
8 Laws of Indices (172-175)	3	67%	10 Inequalities (176-181)	3	100%	10 Compound Interest (236)	3	100%
9 Area of Circles (40)	4	50%	11 Ratio (271)	2	100%	11 Mean and Ratio (53)	4	100%
10 Reciprocal Graph (346)	4	100%	12 Relative Frequency (248)	1	100%	12 Find equation of line (134)	3	100%
11 Sharing in Ratio (270)	3	100%	13 Estimating Mean (54)	5	40%	13 Vectors - Drawing (353, 353a)	3	100%
12 Sequences (230)	1	100%	14 Product Rule for counting (385)	4	100%	14 Ratio and Proportion (263, 271a)	1	100%
13 Estimation/Volume Prism (280, 183, 184)	3	100%	15 Equation of Line (134)	4	25%	15 Algebraic Fractions/Indices (23)	3	100%
14 Ratio/Angles in Quadrilateral (271)	3	100%	16 Sine Area (43, 357)	4	75%	16 Area of Sectors (46)	2	50%
15 Cumulative frequency (143, 150, 154)	5	60%	17 Upper and Lower Bounds (183-184)	3	33%	17 Relative Frequencies (248)	3	100%
16 Algebraic Fractions (24)	3	100%	18 Probability (245)	3	100%	18 Expanding Brackets (13, 7)	3	67%
17 Forming Equations (115)	3	33%	19 Trigonometry (329, 330)	4	75%	19 Box Plots (143)	2	100%
18 Identities/DOTS (120)	3	100%	20 Algebraic Proof (365)	4	25%	20 Direct proportion (254)	5	100%
19 Recurring Decimals (96)	1	100%	21 Surface Area Cone (314)	3	100%	21 Ratio and Proportion (263, 271a)	5	100%
20 Proof/Circle Theorems (366)	5	40%	22 Surds (305-308)	3	100%	22 Venn Diagrams (380)	2	100%
21 Simultaneous Equations (235-238)	4	50%	23 Volume & area of similar shapes (293a)	1	100%	23 Exponential Graph (345)	2	100%
22 Vectors (353)	4	25%	24 Quadratic Inequalities (378)	3	67%	24 3D pythagoras & trig, Volume (257, 332)	3	100%
23 Laws of Indices (172-175)	3	33%	25 Histograms (157-159)	4	25%	25 Transformations - Invariant Points (332)	5	100%
24 Trig Values (341)	1	100%	26 Identity Values (15)	3	67%	26 Composite Functions (370)	3	100%
25 Equation of Circles - Straight lines (372)	6	100%	27 Functions (363)	5	100%	27 Cosine Rule (Ratio) (336)	5	100%
26 Completing the Square (265, 267a, 371)	3	100%	0			28 Area under (383)	6	100%
27 Trig Values/Surds (341, 305)	3	100%	0			0		



## Revision list

### HIGHER REVISION LIST:

In February/ March you will sit three maths papers, each lasting 1 hour 30 mins. Paper 1 is non-calculator; papers 2 & 3 both require the use of a calculator. To all exams you should also bring a black pen, pencil, ruler, rubber, protractor and compasses. The topics shown below are topics that will appear in the Spring term PPE. You should RAG rate your understanding of each of these, based on your PLCs from the October PLCs, then spend longer working on your red and amber topics.

To revise you should

- watch the [Corbettmaths](#) video & make revision notes
- do the practice questions and mark them
- use your revision guide, workbook & [Corbettmaths](#) revision cards to revise & practice topics
- come to revision sessions, ready with questions to ask

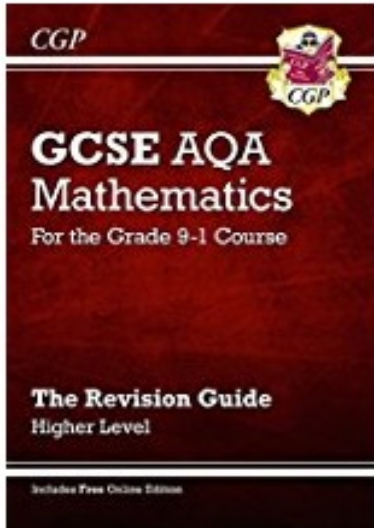
TOPIC	CORBETTMATHS			
Add subtract, multiply & divide decimals	90,91,92,93,94			
Reverse fractions	138			
Reciprocal	145			
% of quantities with and without a calculator	234,235, 238, 239			
Write one quantity as a fraction or % of another	136, 233, 237			
Compound interest & depreciation	236			
Change between fractions, decimals & %	121 - 129			
Limits of accuracy & error intervals	183, 184, 280, 377			
Prime numbers & product of prime factors	225, 223			
Multiples, factors, HCF & LCM	220,216, 218, 219, 224			
Indices ( <a href="#">incl.</a> negative & fractional)	172, 173, 174, 175			
Ratio	269 - 271			
Standard form	300 - 303			
Direct & inverse proportion	254, 255			
Surds	305 - 308			
Substitution	20			
Linear Sequences	286 - 290			
Expanding single, double & triple brackets	13, 14			
Factorising	117, 118, 119, 120			
Completing the square	267a			
Solve quadratic equations by factorising	266			
Solving equations	110 - 115			



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Go back through the topic. You can use...



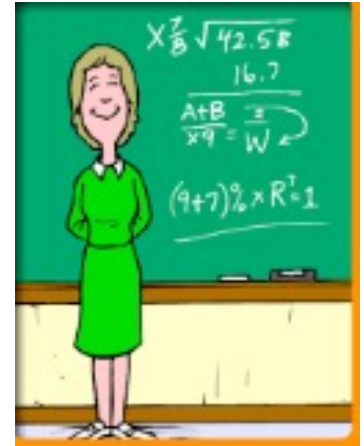
Your Revision  
Guide



Mathsgenie videos



The Corbettmaths  
videos



Attend extra  
Maths revision

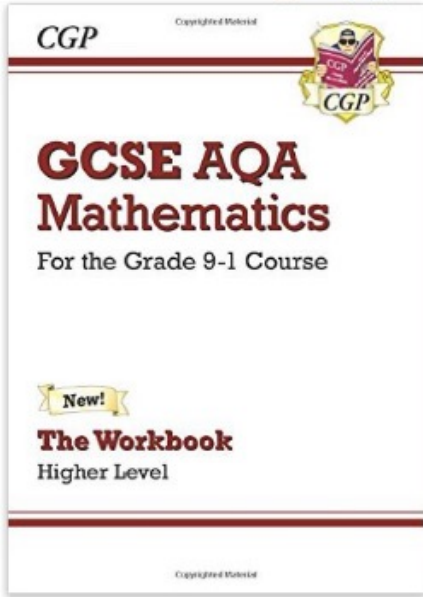


Dr Frost videos

Achieve . Belong . Participate



- Practice by doing questions. You can use....



Your revision  
workbook



Corbettmaths  
Practice questions



Dr Frost  
Practice questions



Maths Genie  
Practice questions

- CHECK – mark your work

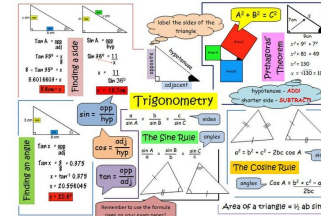


“Do all the practise papers.”

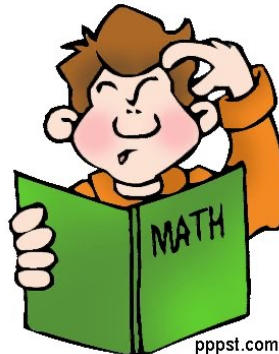


“Make revision cards.”

Which method is best?



“Read over my maths revision books.”



pppst.com



“Use maths websites”



# Resources

- **Maths equipment: pen, pencil, ruler, protractor, compasses, scientific calculator**
- **Revision guide & workbook £3.50 each**
- **Revision cards £6.30**
- **Practice exam papers (pack of 10 for £6.70)**