

# Passport to a Grade 7+



Name: \_\_\_\_\_

**MATHS**



## Boarding Pass

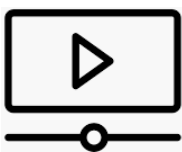
- Belief than anyone can do maths
- Revision timetable created
- Casio FX-85GTX Calculator
- Geometry set
- Knowledge organiser booklet
- Revision flash cards
- I know my Hegartymaths Login

Finals 1 dates:

P1

P2

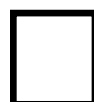
P3



## Revision Guidance Videos



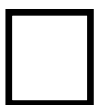
Hegarty essentials



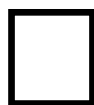
MemRi



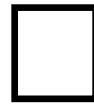
How to self-quiz



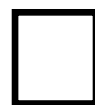
Exam  
Technique



Using a mark  
scheme



Get your  
mind right



Know your  
calculator



Ratio, Proportion and Rates of Change	Clip and quiz numbers									
Problems - ratio / recipes	335	336	337	338		739	740	741	742	
Scale drawings	870	871								
Proportion - direct / inverse / graphs	344	345		347					348	

Geometry and measure Topics	Clip and quiz numbers									
Circle theorems: Angles inside a circle	778	779	314	315	316					
Circle theorems: Tangents and chords	598	599	600	601						
Circle theorems multi-step	603	604	605	606						
Prove circle theorems	816	817	818	819	820					
Compound units: Density problem solving	730	731	732	733						
Volume of frustrums	578									
Volume: Problem solving	583									
Similar Shapes: Area	615	616	617							
Similar Shapes: Volume	618	619	620	621						
Pythagoras' Theorem: Problem solving	503	504								
Right-angled trigonometry: Non-calculator	306	845	846	847	848	849	850	851	852	853
Right-angled trigonometry: Problem solving	513	514								
3D Pythagoras	505	506	507							
3D trigonometry	854	855	856	857	858	859	860	861	862	863
Sine rule for area	517	518	519							
Non-right angled trigonometry: Sine rule / Cosine Rule	521	522	523	524	525		527	528	529	530
Non-right-angled trigonometry: Problem solving	532	533								
Bearings: Sine and cosine rule	531									
Vectors: Magnitude	627									
Vectors: Geometry problems	628	629	630	631	632	633	634	635	636	
Congruence proofs	684	685	686	687	688	689	690			
Enlargements	646									
Invariance	655									
Describe combined transformations	656	657								



***“No-one is ever told that they cannot pass their driving test... everyone can learn maths given the right support, time and EFFORT.”***

Statistics Topics	Clip and quiz numbers						
Quartiles and interquartile range	412	413					
	■	■					
Mean from grouped frequency tables	418						
	■						
Averages problems	421						
	■						
Cumulative frequency diagrams	437	438	439				
	■	■	■				
Box plots	434	435	436	440			
	■	■	■	■			
Frequency polygons	441						
	■						
Histograms	442	443	444	445	446	447	448
	■	■	■	■	■	■	■
Capture-recapture	872	873					
	■	■					

Probability Topics						
Product rule for counting	671	672	673			
	■	■	■			
Conditional probability	364	365	366	367	389	390
	■	■	■	■	■	■
Probability from Venn diagrams	385	386	387	388	391	
	■	■	■	■	■	

Number Topics					
Calculating with roots and fractional indices	108	109	110		
	■	■	■		
Converting recurring decimals to fractions	53	54			
	■	■			
Surds: Definition and estimating	111	112			
	■	■			
Surds: Simplifying, multiplying and dividing	113	114	115		
	■	■	■		
Surds: Expanding brackets	116	117			
	■	■			
Surds: Rationalising the denominator	118	119			
	■	■			
Upper and lower bounds / Error intervals	137	138	139	777	
	■	■	■	■	
Best buys	770				
	■				

Notes: write the clip and question numbers that you have struggled with to ask your teacher for support. (e.g.—clip 23, question 4)



# Effort score tracker

Week ending	Effort score 1-5		Homework tasks completed?	10 MemRi questions done?	Practice exam done?
	Class	Home			
27/09/2019					
04/10/2019					
11/10/2019					
18/10/2019					
HALF TERM - MemRi quizzes					
HALF TERM - MemRi quizzes					
08/11/2019					
15/11/2019					
22/11/2019					
29/11/2019					
06/12/2019					
13/12/2019					
20/12/2019					
CHRISTMAS HOLIDAYS					
CHRISTMAS HOLIDAYS					
10/01/2020					
17/01/2020					
24/01/2020					
31/01/2020					
07/02/2020					
14/02/2020					
HALF TERM - MemRi quizzes					
28/02/2020					
06/03/2020					
13/03/2020					
20/03/2020					
27/03/2020					
03/04/2020					
EASTER HOLIDAYS					
EASTER HOLIDAYS					
24/04/2020					
01/05/2020					
08/05/2020					
GCSEs begin 15/05/2020					
22/05/2020					

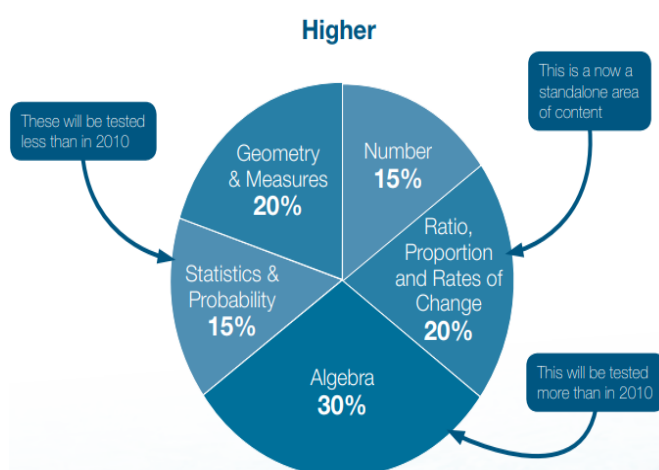
# Maths exam information

Exam dates— Exam board - 

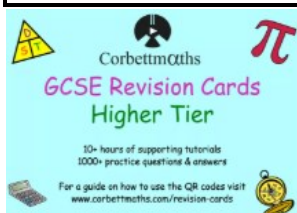
Paper 1 (non-calculator) - Tuesday 19th May 2020 9am-10:30am 80 marks

Paper 2 (calculator) - Thursday 4th June 2020 9am-10:30am 80 marks

Paper 3 (calculator) - Monday 8th June 2020 9am-10:30am 80 marks



Website	What's it useful for?	✓
<a href="http://www.hegartymaths.co.uk">www.hegartymaths.co.uk</a>	Revision resources, videos and links	
<a href="http://www.mathsgenie.co.uk/GCSE">www.mathsgenie.co.uk/GCSE</a>	Exam questions sorted by grade and topics with answers. Some video support	
<a href="http://www.corbettmaths.com">www.corbettmaths.com</a>	<ul style="list-style-type: none"> <li>5 a day sheets —5 questions for every day of the year with answers.</li> <li>Worksheets for every topic with video support and answers</li> <li>Practice papers with answers</li> </ul>	
<a href="http://www.onmaths.com">www.onmaths.com</a>	Find the online mini-mocks that mark them as you go. Find the “Demon questions” for more challenge.	
<a href="http://www.ssddproblems.com">www.ssddproblems.com</a> — excellent for method selection	Sets of 4 questions that look the same on the surface but require different approaches (answers included)	
<a href="http://www.mathsbot.com">www.mathsbot.com</a>	Visit the GCSE resources to create revision grids and practice papers with answers.	



Ask your teacher about how to get hold of some revision cards

