

# Passport to a Strong Pass (H)



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

**MATHS**



## Boarding Pass

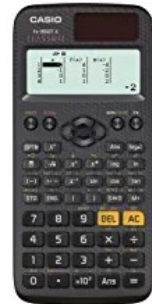
- Belief that anyone can do maths
- Revision timetable created
- Casio FX-85GTX Calculator
- Geometry set
- Knowledge organiser booklet
- Revision flash cards
- I know my Hegartymaths Login

Finals 1 dates:

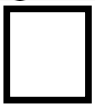
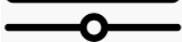
P1

P2

P3



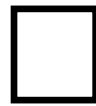
## Revision Guidance Videos



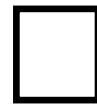
Using your  
passport



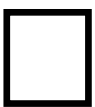
MemRi



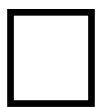
How to  
self-quiz



Goal free  
problems



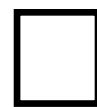
Exam  
Technique



Using a mark  
scheme



Mind set  
and sleep



Know your  
calculator



Geometry Topics		Clip and Quiz numbers							
Angle problems	488	489	490	491					
Angles in polygons	560	561	562	563	564	565			
Plans and elevations of 3D shapes	837	838	839	840	841	842	843	844	
Conversion problems	714	715							
Compound units: Speed	721	722	723						
Compound units: Density	725	726	727	728	729	730	731		
Other compound units	738								
Circles - circumference and area	537	538	544	545		542	543	546	547
3D shapes - Surface area	587	588	589	590	591				
3D shapes - Volume	576	577	578	579	580	581	582		
Pythagoras' theorem	497	498	499	500	501	502			
Trigonometry	508	509	510	511	512	513	514	515	
Similar shapes using scale factors	608	609	610	611	612	613	614		
Vectors	622	623	624	625	626				
Describing Transformations	650	651	652	653	654				



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

Algebra Topics	Clip and Quiz numbers									
Substitution	782	783	278							
Manipulating algebraic expressions	175									
Changing the subject	280	281	282							
Identities	154									
Expanding double brackets	167	168	169	170	171					
Factorising linear expressions	162	163	164	165						
Factorising quadratics: $x^2+bx+c$	221	223	224							
Gradient	203	204								
Equation of a straight line + parallel lines	208	209	210	211	212	213		214		
Distance-time and speed-time graphs	876	877	878	879		880				
Tariff graphs / Sketch graphs	897		898	899	900	901	902			
Graphs - quadratic / cubic / reciprocal	252	253	254	255		298	299		300	301
Linear equations in one variable	184	185	186							
Solving quadratic equations: $x^2+bx+c=0$	230	234								
Simultaneous equations / solving graphically	190	191	192	193	194	195	218		219	220
Linear inequalities - representing / solving	265	266	267	268		269	270	271	272	
Writing expressions and equations	151	152	153	154	155	188				
Fibonacci/geometric/quadratic sequences	263	264	247							

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



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 - download the template sheets	442	443	444	445	446	

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		Clip and quiz numbers				
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					



# Effort score tracker

Week ending	Effort score 1-5		Homework tasks completed?	10 MemRi questions done?	Number of extra quizzes at 70%+	Parents signed
	Class	Home				
11/10/2019						
18/10/2019						
HALF TERM						
HALF TERM						
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						

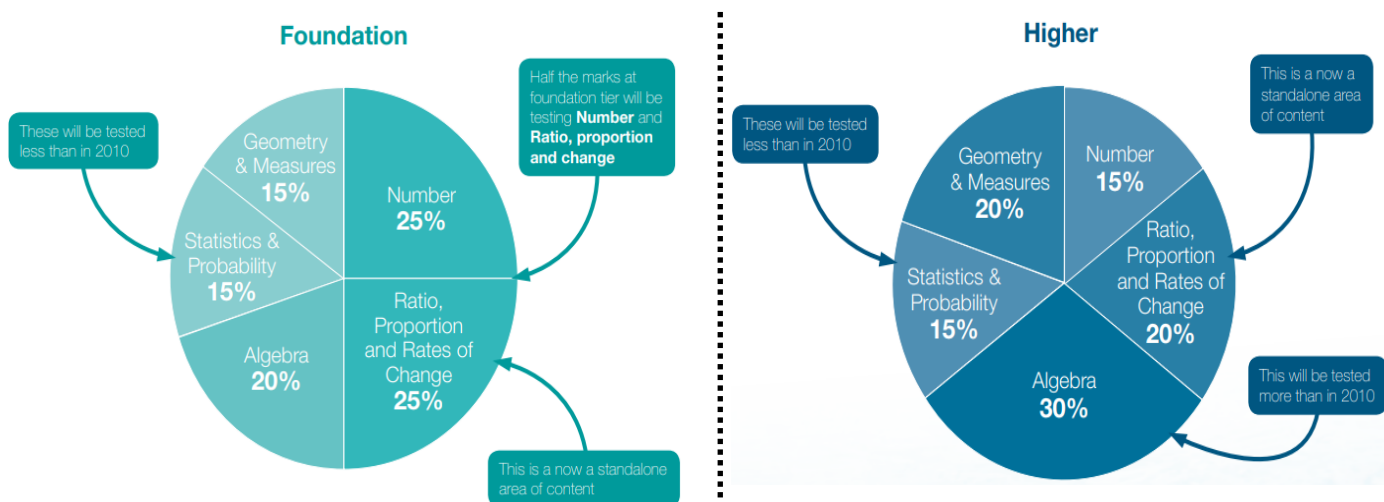
# Maths exam information


Exam dates— Exam board - 

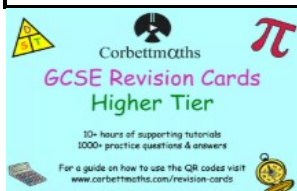
Paper 1 (non-calculator) - Tuesday 19th May 2020 9am-10:30am 80 marks

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	
<a href="http://www.studymaths.co.uk/glossary">www.studymaths.co.uk/glossary</a>	A-Z of maths words and their meanings	
<a href="http://www.mathsbot.com">www.mathsbot.com</a>	Visit the GCSE resources to create revision grids and practice	



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

