Passport to a

Grade 7+



Name:



Essential Stop Offs

1

100%

Try to achieve 100% on each of these

Algebra Topics	Clip and quiz numbers												
Substitution	784	785	786	787		78	779		279				
Expanding triple brackets	166												
Algebraic fractions: expressions / linear equations	172		187										
Factorising quadratic expressions: ax ² +bx+c	225	226	227	228									-
Pactonsing quadratic expressions: ax +bx+c	220							_					_
Dur daria anno aire a Alasharia (a ciina a l Caraclaria a	229		235	236 2	237			_					_
Quadratic expressions: Algebraic fractions / Completing	223		239	236 6	:37							_	_
he square								\rightarrow				_	
Quadratic equations: Factorising / Quadratic formula /	231	232	233		241 2	42	238	1	239	244	245		
Completing the square / Algebraic fractions / In context													
Simultaneous equations: Solving / Graphically / involving	190	191	192	193	194	195	218		219	220		246	
quadratics													
Manipulating powers	790	791	792	793	794	795							
								-					
xponential equations	796	797	798	799									
inponential equations			1.00										_
	214		215	216			_						
Equation of a straight line:Parallel and Perpendicular lines	214		210	216				_					
Quadratic graphs: Turning points and discriminant	256	243	258										
Simultaneous equations on graphs: Quadratic/ linear	259	260											
Exponential graphs	302	800	801	802	803								
								-					_
upopoptial growth I deepy problems	804	805	806	807		08	809	810	811				_
Exponential growth / decay problems	004	000	000	001		00	003	010	011				_
Trigonometric graphs	303	304	305	306									
Graph transformations	307	308	309	310	311	312	313						
Speed-time graphs	881	882	883	884	885	886							
Bete af alwana analyz	894	895	896										_
Rate of change graphs	034	035	030					_					
Estimating gradient from a curve	887	888	889	890									
Estimating area under a curve	891	892	893					-					_
Louinaving area ander a ourve													_
	334	994		0.45		0.17	_	010	A14	000			
Equation of a circle / tangents to circles	778	779	314	315	316	317		318	319	320			
Linear inequalities as graph regions	273	274	275	276									
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	277							_					_
Duadratia in a gualitica	2()							_					
Quadratic inequalities													
Quadratic inequalities				290 3	291 2	92	293	1	294	295	296	1 [-29
	288	289	1 1			_							
Functions: notation I domain and range I composite I	288	289											
Functions: notation / domain and range / composite / inverse / problem solving			240	250		62							
Functions: notation / domain and range / composite / nverse / problem solving Dther sequences: Quadratic sequences / Recurrence	288 247	289 248	249	250	2	62							
Functions: notation / domain and range / composite / nverse / problem solving Dther sequences: Quadratic sequences / Recurrence elations	247	248	249	250	2	62							
Functions: notation / domain and range / composite / nverse / problem solving Dther sequences: Quadratic sequences / Recurrence elations			249	250	2	62							
Functions: notation / domain and range / composite / nverse / problem solving Dther sequences: Quadratic sequences / Recurrence elations	247	248	249	250	2	62							
Quadratic inequalities Functions: notation / domain and range / composite / inverse / problem solving Other sequences: Quadratic sequences / Recurrence relations Iteration and numerical methods Proof and counter-examples / Algebraic proof	247	248	249		326	62							

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	3	47	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											
Values Dashlar ashira	500											
Volume: Problem solving	583											
Similar Shanoo, Aroa	615	616	617									
Similar Shapes: Area	610	010	61/									
Similar Shapes: Volume	618	619	620	621								
onniai onapes: voiune	010	613	620	021								
Pythagoras' Theorem: Problem solving	503	504										
Figuragoras: Theorem: Problem solving	003	004										
Right-angled trigonometry: Non-calculator	306	845	846	847	848	849	850	851	852	853		
ringht-angled trigonometry, non-calculator		040	040	011	040	040	000	001	002	000		
Right-angled trigonometry: Problem solving	513	514										
right angles angenenically. Freechied aning												
3D Pythagoras	505	506	507									
to r yangeree												
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	5	27 5	28 5	29 5	30		
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									
Boxplots	434	435	436	440								
-												
Frequency polygons	441											
Lists are a	442	443		445	446	447	448					
Histograms	442	440	444	440	440	447	440					
Capture-recapture	872	873										
odphare recorphare	012	010										
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
opper and lower bounds r Effor likervals	137	130	133
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

-	Effort score 1-5		Homework	10 MemRi	Dractice over
Week ending	Class	Home	tasks completed?	questions done?	Practice exam done?
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 - edexcel

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

Paper 2 (calculator) - Thursday 4th June 2020

Paper 3 (calculator) - Monday 8th June 2020

9am-10:30am 80 marks

9am-10:30am 80 marks



Website	What's it useful for?	<
www.hegartymaths.co.uk	Revision resources, videos and links	
www.mathsgenie.co.uk/GCSE	Exam questions sorted by grade and topics with answers. Some video support	
www.corbettmaths.com	 5 a day sheets —5 questions for every day of the year with answers. Worksheets for every topic with video support and answers Practice papers with answers 	
www.onmaths.com	Find the online mini-mocks that mark them as you go. Find the "Demon questions" for more challenge.	
www.ssddproblems.com— excellent for method selection	Sets of 4 questions that look the same on the surface but re- quire different approaches (answers included)	
www.mathsbot.com	Visit the GCSE resources to create revision grids and practice papers with answers.	

Ask your teacher about how to get hold of

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