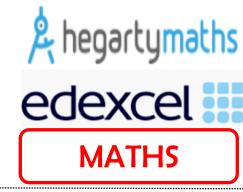
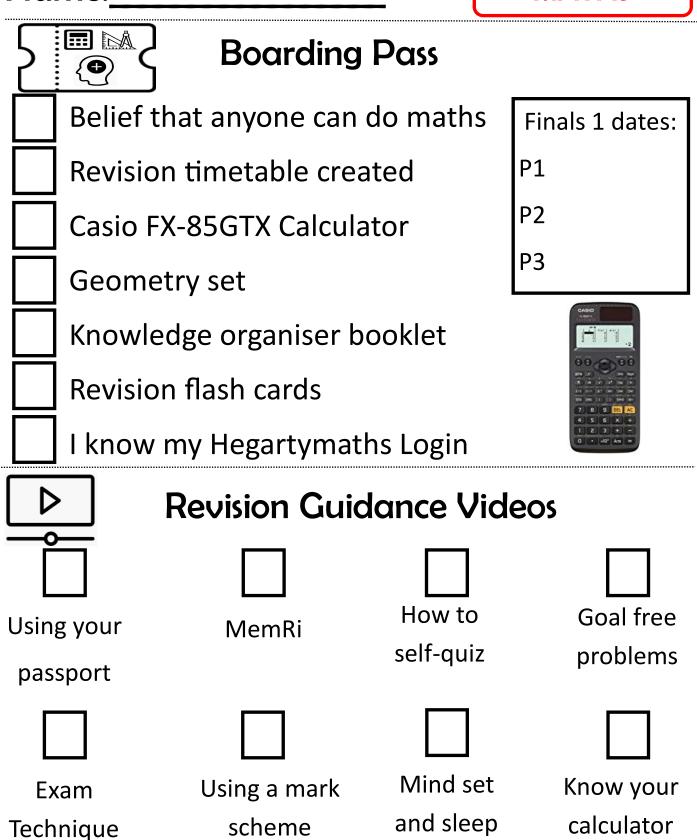
# Passport to a

## Strong Pass (H) edexcel

### Name:





### **Essential Stop Offs**

100%

1

Try to achieve 100% on each of these

Number Topics					Clip	and	Quiz	num	bers			 _
Product of primes / HCF / LCM	30		32		35	36	;					_
Calculating with roots and indices	102	103	6 10	)4	105	10	6	107				
Fractions calculations	66	67	6	9	70		79	8	0			
Percentage change / compound growth and decay	91	92		9	4 9	95						
Complex calculations / Error intervals	129	131		77	74 7	75	776				_	
Standard index form calculations	122	123	12	24	125	12	6	127	128	13	3	
Financial statements and best buys	778		768	76	i9 7	71	772					

Ratio and Proportion Topics				Clip	and Quiz	z numbers	5		
Problems - ratio / recipes	335	336	337	338	739	740	741	742	
Scale drawings	870	871							
-									
Proportion - direct / inverse / graphs	344	345	34	47	348				_
Probability Topics									_
Probability essentials	357	358	359	360					
Sets and venn diagrams	370	371	373	37	78 379				
Independent events and probability	361	362	363						_
trees									

Statistics Topics				Clip	and Qui	iz numbers
Types of data	392	393				
Sampling and surveys	394	395	396	397	398	399 400
Averages problems	491	492				
Scatter graphs	453	454				

Geometry Topics		_		Clip	and Q	uiz num	bers	
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 comments of the iter	700							
Other compound units	738							
Circles - circumference and area	537	538	544	545		42 54	43 5	46 547
circles - circumference and area	557	228	544	545		42 5	43 3	40 547
3D shapes - Surface area	587	588	589	590	591			
SD shapes - Surface area	307	300	303	350	331			
3D shapes - Volume	576	577	578	579	580	581	582	
	5/10	211	5/10	515	500	501	502	
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					CI	ip a	nd C	Quiz	num	bers					
Substitution	782	78	3	278											
Manipulating algebraic expressions	175									_	_				
Changing the subject	280	28:	1	282											
Identities	154														
Expanding double brackets	167	16	8	169	17	70	17	1	_	_	_				
Factorising linear expressions	162	163	2	164	16	5									
	102	10.	5	104	10						-				
Factorising quadratics: x <sup>2</sup> +bx+c	221	223	3	224											
Gradient	203	204	4												
Equation of a straight line + parallel lines	208	209	9	210	21	11	21	2	213	3	2	14			
Distance-time and speed-time graphs	876	87	7	878	87	79		88	0						
Tariff graphs / Sketch graphs	897		898	8	99	90	00	90	1	902					
Graphs - quadratic / cubic / reciprocal	252	25	3	254	25	55		29	8	299		3	00	30	1
Linear equations in one variable	184	185	5 :	186											
Solving quadratic equations: x <sup>2</sup> +bx+c=0	230	234	4												
Simultaneous equations / solving graphically	190	191	1 :	192	19	93	19	4	195	; ;	218		21	.9	220
Linear inequalities - representing / solving	265	266	5	267	26	68		269	9	270	2	71	27	2	
						-			-					-	
Writing expressions and equations	151	152	2 :	153	15	54	15	5	188	}					
Fibonacci/geometric/quadratic seqeunces	263	264	4 :	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)

#### Higher only—working towards grade 6

Algebra Topics							C	lip a	nd qı	uiz n	umb	pers						
Substitution	784	78	5	786	-78	37		778	7	79		279						
Expanding triple brackets	166														_			
	100																	
Changing the subject (advanced)	282	283	3	284	28	35	286	5	287									
Algebraic fractions: expressions / linear equations	172		18	7														
Quadratic expressions: Faactorising (advanced) / algebraic fractions / completing the square	225	226	5	227	22	28		229		23	35	236	2	37				
Quadratic equations: Factorising / Quadratic formula / Completing the square / Algebraic fractions / In context	231	232	2	233		24	1	242		23	88	239		24	4	245		
Simultaneous equations: Solving / Graphically / involving quadratics	190	19	1	192	19	93	194	1	195	21	18	1	219	22	0	2	46	
Manipulating powers	790	79:	1	792	79	93	794	1	795									
Equation of a straight line:Parallel and Perpendicular lines	214		21	52	16													
Quadratic graphs: Turning points	256	243	3															
Rate of change graphs	894	895	5	896														
Estimating gradient from a curve	887	888	3	889	89	90												
Equation of a circle	778	779	Э	314	3:	15	316	5	317									
Functions: notation / domain and range / composite / inverse / problem solving	288	289	Э	2	90	29	)1	292		29	93	294		29	5	296		29
Other sequences: Quadratic sequences	247	248	3	249	25	50												
Iteration and numerical methods	322	323	3															
Proof and counter-examples / Algebraic proof	324		32	4 3	25	32	6	_					_					

	Geometry and measure Topics								Cli	ip an	d qu	uiz n	umbe	rs					
	Circle theorems: Angles inside a circle	778	7	779	31	4	31	5	316										
	Circle theorems: Tangents and chords	598	5	599	60	0	60	1											
_	Similar Shapes: Area	615	6	516	61	7													
								_											
_	Similar Shapes: Volume	618	6	519	62	0	62	1											
_	Pythagoras' Theorem: Problem solving	503	5	504										_				_	
_	Right-angled trigonometry: Problem solving	513	5	514				_										_	
						_	_	_		_				_			_	_	
-	3D Pythagoras	505	-	506	50	7		_											
								_		_				_			_	_	
-	Sine rule for area	517		518	51	9		_									_	_	
	Neo siele en de biene en stru Sine ade J.C. sine Dale	521		522	52	2	524		525	-		27	528		529	530		-	
-	Non-right angled trigonometry: Sine rule / Cosine Rule	521		522	52	5	524	4	525		5.	27	528		529	550	,	_	
-	Vectors: Magnitude / Vector geometry basics	627		6	28	62	0	63	0	531							-		
-	rectors, magnitude i rector geometry basics	027		0.	20	02		- 00		551					_				
	Negative enlargements	646																	
-		0.0																	
	Describe combined transformations	656	6	557															

Statistics Topics					Clip	p 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 o	uiz num	bers		
Calculating with roots and fractional indices	108	109	110						
									Ι
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						 	 1
									 _
Upper and lower bounds / Error intervals	137	138	139	777					 -
									_
Best buys	770								-



#### Effort score tracker

	Effort sco	ore 1-5	Homev task		10 MemRi	Number of	
					questions	extra quizzes at	
Week ending	Class	Home	comple	ted?	done?	70%+	Parents signed
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 HOLI-							
DAYS							
EASTER HOLI-							
DAYS							
24/04/2020							
01/05/2020							
08/05/2020							
GCSEs begin							
15/05/2020							

#### Maths exam information

Exam dates – Exam board - edexcel

Paper 1 (non-calculator) - Tuesday 19th May 20209am-10:30am80 marksPaper 2 (calculator) - Thursday 4th June 20209am-10:30am80 marksPaper 3 (calculator) - Monday 8th June 20209am-10:30am80 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 an- swers	
	Practice papers with answers	
www.onmaths.com	Find the online mini-mocks that mark them as you go	
www.studymaths.co.uk/glossary	A-Z of maths words and their meanings	
www.mathsbot.com	Visit the GCSE resources to create revision grids and practice	
GCSE Revision Cards Ask yc	our teacher about how to get hold of	

Corbettmaths GCSE Revision Cards Higher Tier 10- haves of supporting hatmals 1000- protice questing de americe For a guide on have to use the QR codes with www.cortentmath.com/revision.com/s

some revision cards

