

# MATHEMATICS

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## GCE Advanced Level and GCE Advanced Subsidiary Level

Grade thresholds taken for Syllabus 9709 (Mathematics) in the May/June 2013 examination.

	maximum mark available	minimum mark required for grade:		
		A	B	E
Component 11	75	63	54	23
Component 12	75	59	50	21
Component 13	75	66	59	32
Component 21	50	34	29	15
Component 22	50	43	41	20
Component 23	50	34	29	15
Component 31	75	61	56	29
Component 32	75	53	46	21
Component 33	75	52	46	27
Component 41	50	40	33	19
Component 42	50	34	27	13
Component 43	50	34	27	15
Component 51	50	35	30	14
Component 52	50	40	34	16
Component 53	50	39	34	16
Component 61	50	38	33	16
Component 62	50	37	31	12
Component 63	50	37	31	14
Component 71	50	38	34	17
Component 72	50	43	39	20
Component 73	50	38	33	23

The thresholds (minimum marks) for Grades C and D are normally set by dividing the mark range between the B and the E thresholds into three. For example, if the difference between the B and the E threshold is 24 marks, the C threshold is set 8 marks below the B threshold and the D threshold is set another 8 marks down. If dividing the interval by three results in a fraction of a mark, then the threshold is normally rounded down. Grade A\* does not exist at the level of an individual component.

The thresholds for the **syllabus** are determined first by adding together the thresholds for the components taken by the candidate. A reduction may be made at the higher grades depending on the correlation of the papers. If the maximum raw marks for the components are not in the weighting/relationship specified in the syllabus, a weighting is applied to arrive at the overall thresholds. The A\* threshold is calculated using the difference between A and B as a starting point.

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For AS Level components, adjustments may be made to the marks awarded for some versions of the paper in order to neutralise any differences in the difficulty of the different versions and so make sure that all candidates face an equal demand.

The maximum total mark for this syllabus is **250** for A Level and **125** for AS Level.

For this syllabus in this series the grade thresholds were as follows:

Option	Combination of components	A*	A	B	C	D	E
AX	11, 31, 41, 61	218	191	164	134	104	75
AY	12, 32, 42, 62	212	183	154	125	96	67
AZ	13, 33, 43, 63	210	182	154	127	100	73
DX	31, 61 and AS from last June	212	187	162	134	107	80
DY	32, 62 and AS from last June	206	179	152	125	98	72
DZ	33, 63 and AS from last June	204	178	152	127	102	78
EX	31, 41 and AS from last June	217	191	165	137	109	81
EY	32, 42 and AS from last June	211	183	155	127	100	73
EZ	33, 43 and AS from last June	209	182	155	129	104	79
FX	31, 51 and AS from last June	209	185	161	134	108	82
FY	32, 52 and AS from last June	209	182	155	128	102	76
FZ	33, 53 and AS from last June	205	180	155	130	106	82
GX	31, 71 and AS from last June	218	195	172	143	114	85
GY	32, 72 and AS from last June	217	192	167	138	109	80
GZ	33, 73 and AS from last June	211	186	161	137	113	89
HX	31, 61 and AS from last Nov	215	193	171	139	107	76
HY	32, 62 and AS from last Nov	209	185	161	130	99	68
HZ	33, 63 and AS from last Nov	207	184	161	132	103	74
IX	31, 41 and AS from last Nov	208	184	160	131	102	73
IY	32, 42 and AS from last Nov	202	176	150	121	93	65
IZ	33, 43 and AS from last Nov	200	175	150	123	97	71
JX	31, 51 and AS from last Nov	212	191	170	139	108	78
JY	32, 52 and AS from last Nov	212	188	164	133	102	72
JZ	33, 53 and AS from last Nov	208	186	164	135	106	78
KX	31, 71 and AS from last Nov	209	188	167	137	107	77

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Option	Combination of components	A*	A	B	C	D	E
KY	32, 72 and AS from last Nov	<b>208</b>	<b>185</b>	<b>162</b>	<b>132</b>	<b>102</b>	<b>72</b>
KZ	33, 73 and AS from last Nov	<b>202</b>	<b>179</b>	<b>156</b>	<b>131</b>	<b>106</b>	<b>81</b>
S1	11, 21	-	<b>93</b>	<b>79</b>	<b>64</b>	<b>50</b>	<b>36</b>
S2	11, 41	-	<b>93</b>	<b>77</b>	<b>62</b>	<b>48</b>	<b>34</b>
S3	11, 61	-	<b>96</b>	<b>81</b>	<b>65</b>	<b>49</b>	<b>33</b>
S4	12, 22	-	<b>102</b>	<b>91</b>	<b>74</b>	<b>57</b>	<b>41</b>
S5	12, 42	-	<b>93</b>	<b>77</b>	<b>62</b>	<b>48</b>	<b>34</b>
S6	12, 62	-	<b>96</b>	<b>81</b>	<b>65</b>	<b>49</b>	<b>33</b>
S7	13, 23	-	<b>93</b>	<b>76</b>	<b>62</b>	<b>49</b>	<b>36</b>
S8	13, 43	-	<b>93</b>	<b>77</b>	<b>62</b>	<b>48</b>	<b>34</b>
S9	13, 63	-	<b>96</b>	<b>81</b>	<b>65</b>	<b>49</b>	<b>33</b>

Grade Thresholds are published for all GCE A/AS and IGCSE subjects where a corresponding mark scheme is available.