

# MATHEMATICS

---

## GCE Advanced Level and GCE Advanced Subsidiary Level

Grade thresholds taken for Syllabus 9709 (Mathematics) in the May/June 2012 examination.

	maximum mark available	minimum mark required for grade:		
		A	B	E
Component 11	75	60	52	28
Component 12	75	58	50	25
Component 13	75	57	49	25
Component 21	50	42	37	19
Component 22	50	42	39	17
Component 23	50	42	37	19
Component 31	75	61	56	29
Component 32	75	56	50	24
Component 33	75	59	52	28
Component 41	50	41	35	27
Component 42	50	31	25	14
Component 43	50	38	32	18
Component 51	50	36	31	14
Component 52	50	38	32	15
Component 53	50	39	34	17
Component 61	50	43	39	23
Component 62	50	38	32	14
Component 63	50	36	32	16
Component 71	50	38	34	17
Component 72	50	39	35	21
Component 73	50	43	39	26

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.

Cambridge International Advanced and Advanced Subsidiary Level  
9709 Mathematics June 2012  
Grade Thresholds

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	213	188	163	136	109	82
AY	12, 32, 42, 62	209	183	157	130	103	77
AZ	13, 33, 43, 63	213	186	159	133	107	81
DX	31, 61 and AS from last June	220	193	166	139	112	85
DY	32, 62 and AS from last June	216	188	160	133	106	80
DZ	33, 63 and AS from last June	220	191	162	136	110	84
EX	31, 41 and AS from last June	209	185	161	134	107	80
EY	32, 42 and AS from last June	205	180	155	128	101	75
EZ	33, 43 and AS from last June	209	183	157	131	105	79
FX	31, 51 and AS from last June	217	191	165	138	111	85
FY	32, 52 and AS from last June	216	188	160	133	107	81
FZ	33, 53 and AS from last June	220	192	164	138	112	87
GX	31, 71 and AS from last June	214	192	170	141	112	83
GY	32, 72 and AS from last June	211	188	165	137	109	82
GZ	33, 73 and AS from last June	219	195	171	144	117	91
HX	31, 61 and AS from last Nov	215	191	167	137	107	78
HY	32, 62 and AS from last Nov	211	186	161	131	102	73
HZ	33, 63 and AS from last Nov	215	189	163	134	105	77
IX	31, 41 and AS from last Nov	208	184	160	132	104	76
IY	32, 42 and AS from last Nov	204	179	154	126	98	71
IZ	33, 43 and AS from last Nov	208	182	156	129	102	75
JX	31, 51 and AS from last Nov	212	189	166	136	107	78
JY	32, 52 and AS from last Nov	211	186	161	132	103	74
JZ	33, 53 and AS from last Nov	215	190	165	136	108	80
KX	31, 71 and AS from last Nov	213	191	169	139	109	79

Cambridge International Advanced and Advanced Subsidiary Level  
9709 Mathematics June 2012  
Grade Thresholds

Option	Combination of components	A*	A	B	C	D	E
KY	32, 72 and AS from last Nov	<b>210</b>	<b>187</b>	<b>164</b>	<b>135</b>	<b>106</b>	<b>78</b>
KZ	33, 73 and AS from last Nov	<b>218</b>	<b>194</b>	<b>170</b>	<b>142</b>	<b>114</b>	<b>87</b>
S1	11, 21		<b>100</b>	<b>87</b>	<b>72</b>	<b>58</b>	<b>44</b>
S2	11, 41		<b>89</b>	<b>75</b>	<b>63</b>	<b>51</b>	<b>39</b>
S3	11, 61		<b>96</b>	<b>82</b>	<b>67</b>	<b>53</b>	<b>39</b>
S4	12, 22		<b>100</b>	<b>89</b>	<b>73</b>	<b>57</b>	<b>42</b>
S5	12, 42		<b>89</b>	<b>75</b>	<b>63</b>	<b>51</b>	<b>39</b>
S6	12, 62		<b>96</b>	<b>82</b>	<b>67</b>	<b>53</b>	<b>39</b>
S7	13, 23		<b>100</b>	<b>87</b>	<b>72</b>	<b>58</b>	<b>44</b>
S8	13, 43		<b>89</b>	<b>75</b>	<b>63</b>	<b>51</b>	<b>39</b>
S9	13, 63		<b>96</b>	<b>82</b>	<b>67</b>	<b>53</b>	<b>39</b>

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