

# MATHEMATICS

## Cambridge International Advanced Subsidiary and Advanced Level

Grade thresholds taken for Syllabus 9709 (Mathematics) in the October/November 2013 examination.

	maximum mark available	minimum mark required for grade:		
		A	B	E
Component 11	75	61	52	24
Component 12	75	59	53	20
Component 13	75	62	55	30
Component 21	50	37	31	17
Component 22	50	37	31	14
Component 23	50	37	31	17
Component 31	75	47	40	20
Component 32	75	47	40	20
Component 33	75	59	52	25
Component 41	50	37	32	17
Component 42	50	39	34	16
Component 43	50	37	29	11
Component 51	50	35	29	13
Component 52	50	35	29	13
Component 53	50	39	33	17
Component 61	50	38	33	18
Component 62	50	41	37	15
Component 63	50	43	37	17
Component 71	50	44	38	20
Component 72	50	44	38	20
Component 73	50	42	38	19

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.

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	208	186	164	133	102	71
AY	12, 32, 42, 62	208	186	164	133	102	71
AZ	13, 33, 43, 63	220	198	176	142	109	76
BX	11, 31, 41, 51	204	180	156	127	98	69
BY	12, 32, 42, 52	204	180	156	127	98	69
BZ	13, 33, 43, 53	220	196	172	140	109	78
CX	11, 31, 61, 71	214	191	168	137	106	75
CY	12, 32, 62, 72	214	191	168	137	106	75
CZ	13, 33, 63, 73	222	201	180	146	112	79
DY	32, 62 and AS from last June	208	181	154	125	97	69
DZ	33, 63 and AS from last June	220	193	166	135	104	74
EY	32, 42 and AS from last June	209	182	155	126	97	69
EZ	33, 43 and AS from last June	221	194	167	136	105	74
FX	31, 51 and AS from last June	204	175	146	119	93	67
FY	32, 52 and AS from last June	204	175	146	119	93	67
FZ	33, 53 and AS from last June	220	191	162	133	104	76
GY	32, 72 and AS from last June	215	187	159	130	101	73
GZ	33, 73 and AS from last June	223	197	171	139	108	77
HY	32, 62 and AS from last Nov	205	183	161	130	100	70
HZ	33, 63 and AS from last Nov	217	195	173	140	107	75
IX	31, 41 and AS from last Nov	199	175	151	123	95	67
IY	32, 42 and AS from last Nov	199	175	151	123	95	67
IZ	33, 43 and AS from last Nov	211	187	163	132	102	72
JX	31, 51 and AS from last Nov	201	177	153	124	96	68
JY	32, 52 and AS from last Nov	201	177	153	124	96	68

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Option	Combination of components	A*	A	B	C	D	E
JZ	33, 53 and AS from last Nov	217	193	169	138	197	77
KX	31, 71 and AS from last Nov	205	180	155	127	99	71
KY	32, 72 and AS from last Nov	205	180	155	127	99	71
KZ	33, 73 and AS from last Nov	213	190	167	136	105	75
S1	11, 21		96	84	68	52	37
S2	11, 41		98	87	70	53	36
S3	11, 61		100	90	71	53	35
S4	12, 22		96	84	67	50	34
S5	12, 42		98	87	70	53	36
S6	12, 62		100	90	71	53	35
S7	13, 23		96	84	68	52	37
S8	13, 43		98	87	70	53	36
S9	13, 63		100	90	71	53	35

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