

Example 1: Horse's jump

Subject: Mathematics: analysis and approaches and mathematics: applications and interpretation

Paper component: Internal assessment, standard level (SL) and higher level (HL)

Assessment

Criterion	A	B	C	D	E (SL)	E (HL)	Total (SL)	Total (HL)
Achievement level awarded	2	2	2	2	3	1	11	9
Maximum possible achievement level	4	4	3	3	6	6	20	20

Comments

Criterion	Comments
A Presentation	The exploration has an introduction, aim and conclusion. However, it is not clear where the data came from and which points were used to find the second and third equations.
B Mathematical communication	The exploration contains some relevant and appropriate mathematical communication. The variables are not defined.
C Personal engagement	There is evidence of significant personal engagement throughout the exploration.
D Reflection	The candidate has linked the results to the aim of the exploration and has discussed limitations.
E Use of mathematics SL	Calculus and modelling are commensurate with the level of the course. The candidate fails to comment on most of the results and, as a result, has demonstrated limited understanding.
E Use of mathematics HL	Calculus and modelling are commensurate with the level of the course. The candidate fails to comment on most of the results and, as a result, has demonstrated limited understanding.
General comments	