

Example 3: Packaging and geometrical shapes

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	3	3	1	2	5	3	14	12
Maximum possible achievement level	4	4	3	3	6	6	20	20

Comments

Criterion	Comments
A Presentation	The exploration is logically developed and reads well. It has an introduction, a clearly stated aim and a conclusion.
B Mathematical communication	Appropriate notation and terminology are used and variables are defined. The graphs from technology could have been clearer.
C Personal engagement	Limited personal interest is shown in the introduction.
D Reflection	The candidate has commented meaningfully on the results.
E Use of mathematics SL	The calculus used is commensurate with the level of the course. The mathematics used is correct and good knowledge and understanding are demonstrated.
E Use of mathematics HL	The mathematics used is commensurate with the level of the course. The mathematics is correct but the knowledge and understanding demonstrated are not sufficient to score more than three marks at HL.
General comments	