

Example 18: Prime number theories

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	2	1	1	3	1	10	8
Maximum possible achievement level	4	4	3	3	6	6	20	20

Comments

Criterion	Comments
A Presentation	The exploration is not always coherent.
B Mathematical communication	There is some relevant mathematical communication, but there are many errors in notation and many instances of the student explaining mathematical terms incorrectly.
C Personal engagement	This is a research report into prime numbers. It proved to be too challenging for the candidate, and no attempt seems to have been made to understand the new mathematics.
D Reflection	There is an attempt to reflect, but it is limited and superficial.
E Use of mathematics SL	The mathematics is beyond the level of the course and the candidate shows limited understanding.
E Use of mathematics HL	Some relevant mathematics is used; however the candidate demonstrates limited understanding.
General comments	