

High School / Scoring Key Lights, Candles, Action!

→ SMARTER BALANCED PERFORMANCE TASK

Item 5

Claim 4
8.F.B

SAMPLE	SCORE	RATIONALE
A	0	The response does not include a correct equation for either Candle A or Candle B. Although the provided equation would work if the meaning of n were reassigned, the item prompt assigns each letter to a specific quantity, and it is unclear if the student misunderstood or simply ignored those assignments. The response earns 0 points.
B	0	The student did not determine correct numerical values for n and k , nor provide a correct equation for either Candle A or Candle B. The response earns 0 points.
C	1	The student wrote an equation that is equivalent to $h = 20 - 4t$. The response earns full credit.
D	1	The student provided a correct equation for Candle A. The response earns full credit.
E	0	The student did not determine correct numerical values for n and k , nor provide a correct equation for either Candle A or Candle B. The response earns 0 points.
F	1	The student provided a correct equation for Candle B. The response earns full credit.
G	0	The equation provided by the student would work for Candle A, but the response does not include a numerical value for n , as required by the problem. The response earns 0 points.