



STEP III, 2006, Q11 EC

- 11 The first part requires two separate equations of motion to establish the acceleration of the connected parts; this is standard work. The second extends the usual situation to take in impulsive tensions. The “given” assumption can be justified but is provided as a hint.



NextStepMaths.com

To view mark schemes, fully worked solutions and examiner’s comments, and for more details about tutoring and other services offered, go to [NextStepMaths.com](https://www.NextStepMaths.com)