

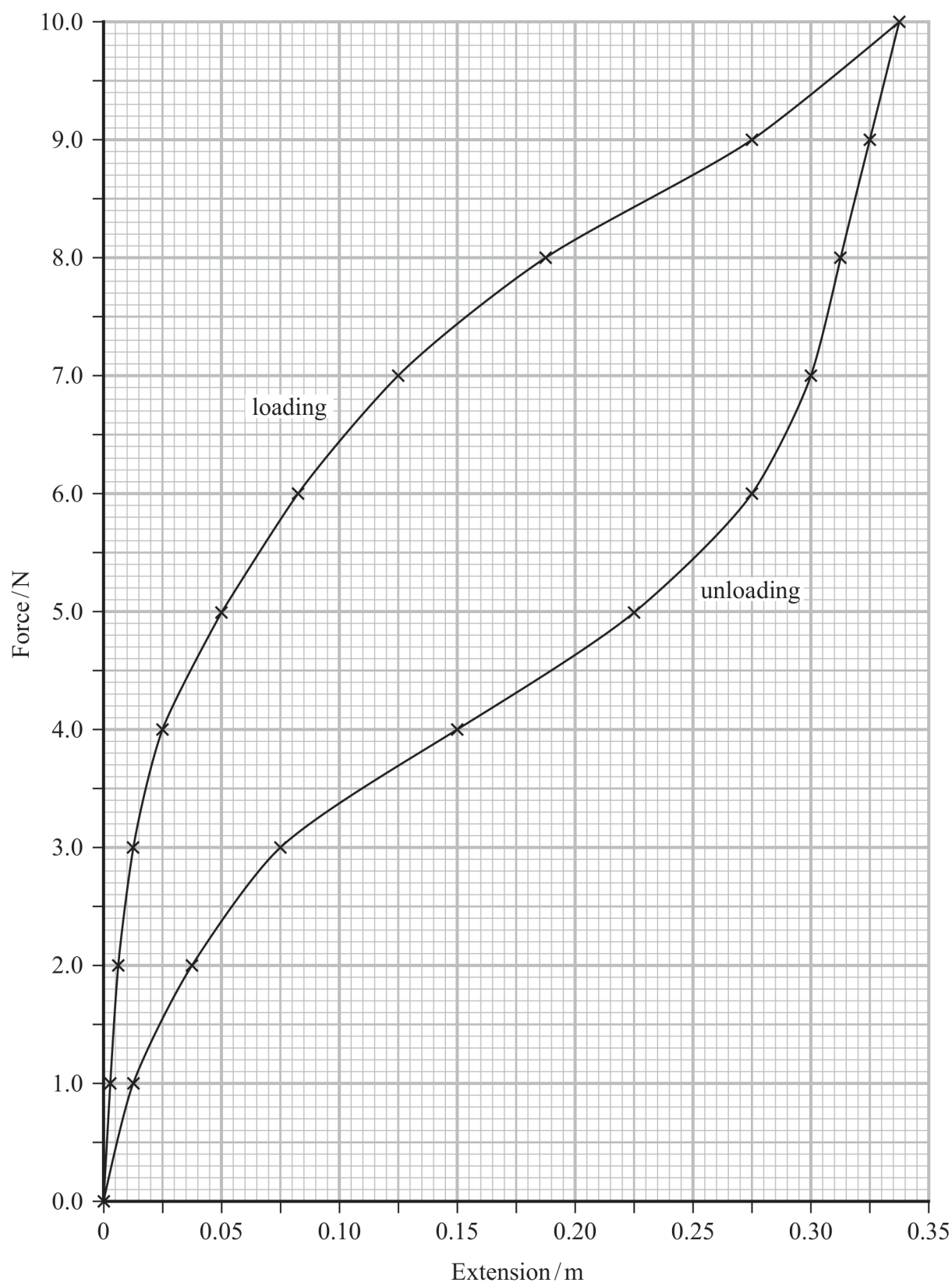
3 A student took measurements to plot a force-extension graph for a rubber band.

- (a) Describe a method he could have used to take the measurements. Your answer should include a diagram.

(5)



- (b) The student measured the extension as he was loading and unloading the rubber band. The graph shows his results.



Estimate the energy transferred to the internal energy store of the rubber band during loading and unloading.

(3)

DO NOT WRITE IN THIS AREA

Energy transferred =

(Total for Question 3 = 8 marks)