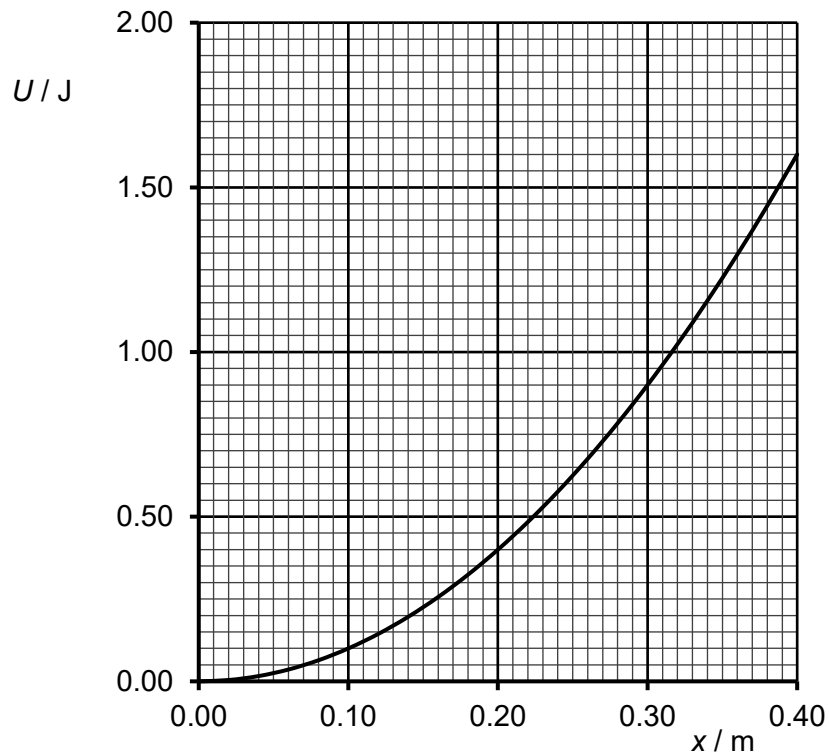


- 6 The variation with displacement  $x$  of the potential energy  $U$  of a body is shown.



What is the magnitude of the force acting on the body at  $x = 0.30 \text{ m}$ ?

- A** 0.090 N      **B** 0.17 N      **C** 3.0 N      **D** 6.0 N

- 7 A driving force of 250 N is needed for a car of mass 900 kg to travel along a level road at a