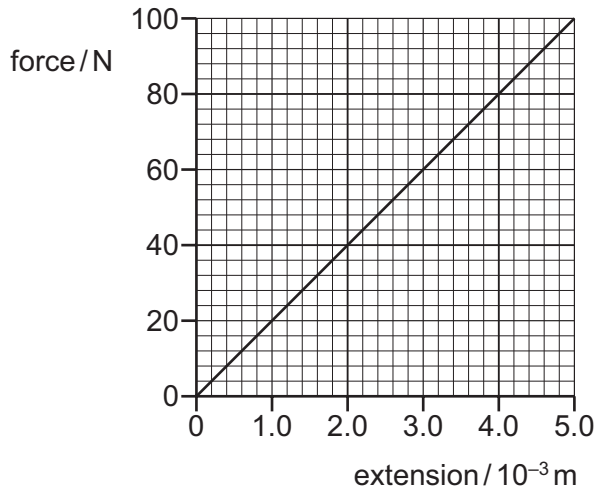


**21** The graph shows the force–extension graph for a wire.



The wire is already extended by a force of 60 N.

How much work is done to increase the extension of the wire by 2.0 mm?

**A** 0.040 J

**B** 0.090 J

**C** 0.16 J

**D** 0.25 J

**22** The graph of force against extension is shown below.