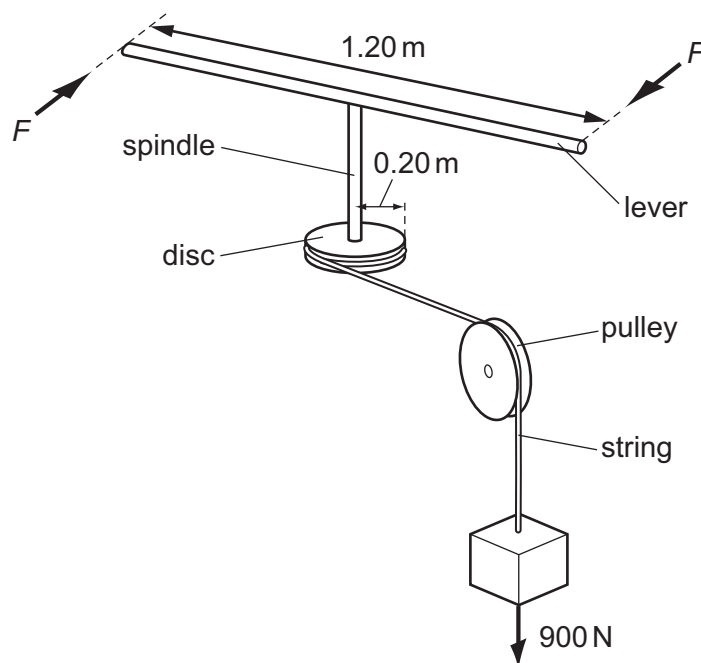


- 13** A spindle is attached at one end to the centre of a lever of length 1.20 m and at its other end to the centre of a disc of radius 0.20 m. A string is wrapped round the disc, passes over a pulley and is attached to a 900 N weight.



What is the minimum force  $F$ , applied to each end of the lever, that could lift the weight?

- A** 75 N      **B** 150 N      **C** 300 N      **D** 950 N

**Space for working**