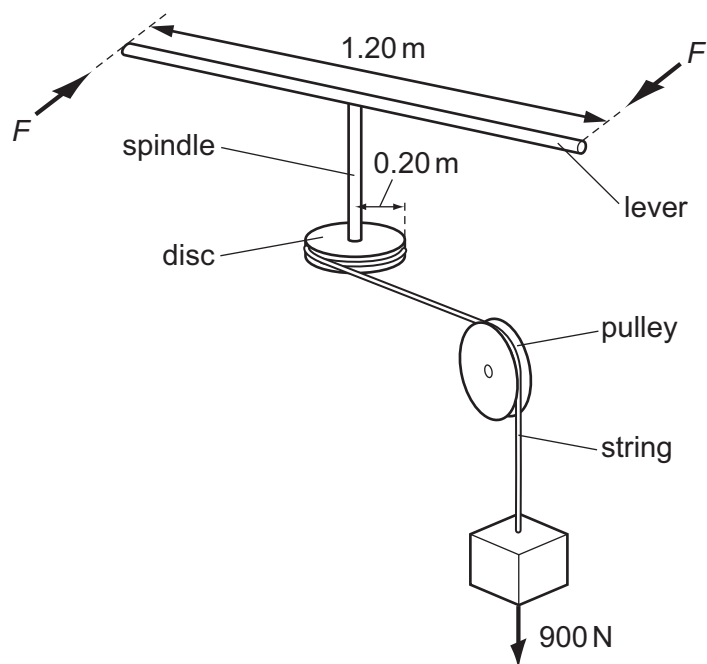13 A spindle is attached at one end to the centre of a lever of length 1.20 m and at its other end to the centre of a disc of radius 0.20 m. A string is wrapped round the disc, passes over a pulley and is attached to a 900 N weight.

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