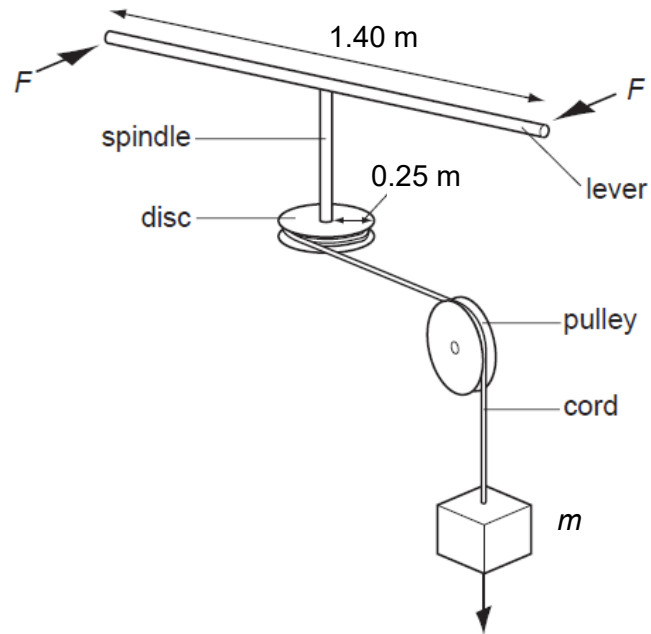


- 6 One end of a spindle is attached to the centre of a lever of length 1.40 m and its other end is attached to the centre of a disc of radius 0.25 m as shown in the figure below.
- A cord is wrapped around the disc, passes over a pulley and is attached to mass, m at one end.



The mass of the lever, spindle, disc, cord and pulley is assumed to be negligible. Equal and opposite forces of magnitude F is applied to each end of the lever.

Ignoring frictional forces, what are the values of F and m ?

	F / N	m / kg
A	175	50
B	350	50
C	175	100
D	350	100