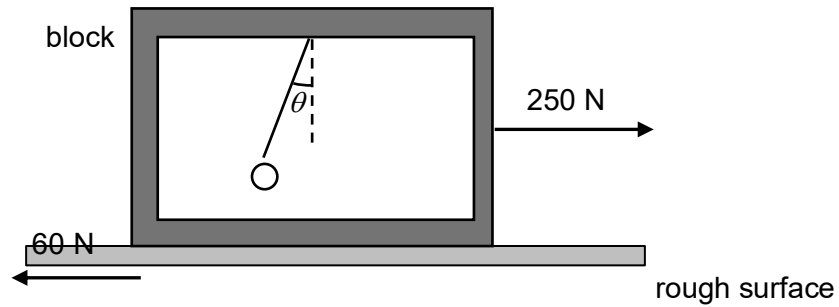


- 4 A block with a pendulum bob hanging lies on a rough surface. The total mass of the block and the pendulum bob is 100 kg. A force of 250 N is applied to the block and the pendulum bob makes an angle θ to the vertical axis.



What is the magnitude of θ if a constant frictional force of 60 N is acting on the block?

A 11°

B 14°

C 76°

D 79°