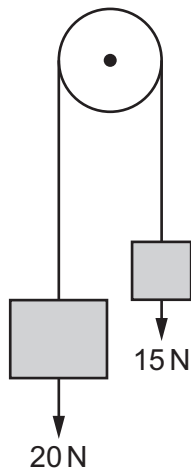16 A pulley of radius 0.40 m supports weights of 20 N and 15 N by means of a thin string, as shown.

The weights are moved by slowly rotating the pulley clockwise through an angle of 60°.

What is the increase in the total gravitational potential energy of the weights?

A   0.33 J   B   2.0 J   C   2.1 J   D   15 J