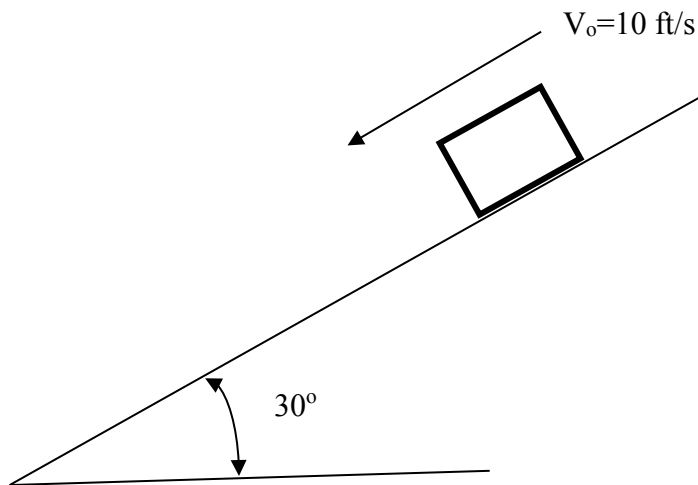


**TOPIC**

Engineering Mechanics (Statics and Dynamics) – Section VII – Question 16

**QUESTION**

A 161 lb block travels down a  $30^\circ$  inclined plane with initial velocity of 10 ft/s. The initial kinetic energy of the block, in ft-lbs most nearly is



- (A) 25.00
- (B) 250.0
- (C) 820.6
- (D) 8050

**HINT**

- Kinetic energy is given by  $\frac{1}{2}mv^2$
- Be careful to use mass and not weight!

**CONTRIBUTOR**

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