

A 1250 kg rocket has 35×10^3 J of KE. How fast is it moving?

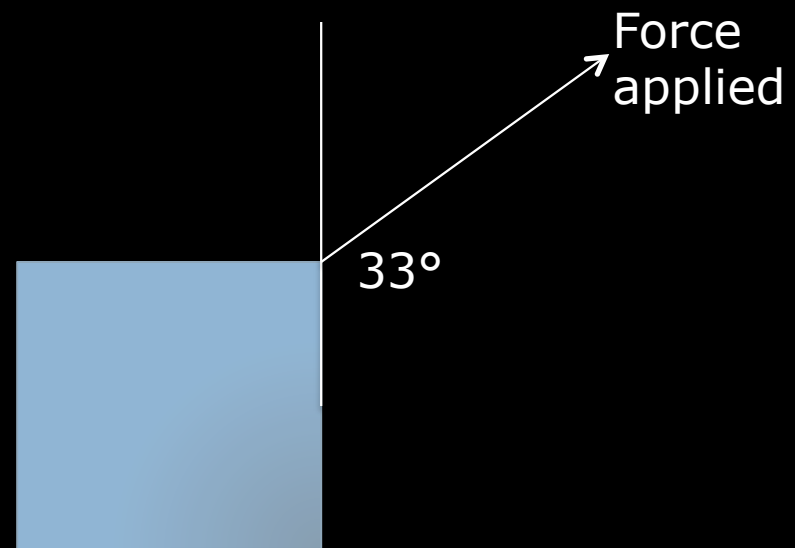
$$KE = \frac{1}{2} mv^2$$

7.48 m/s

What is the work done by this 12.0 N force to move a 533 g box a horizontal distance of 200 cm across a floor at a constant speed of 0.75 m/s?

$$W = F d \cos \theta$$

Need to convert
200 cm into m



20.13 J