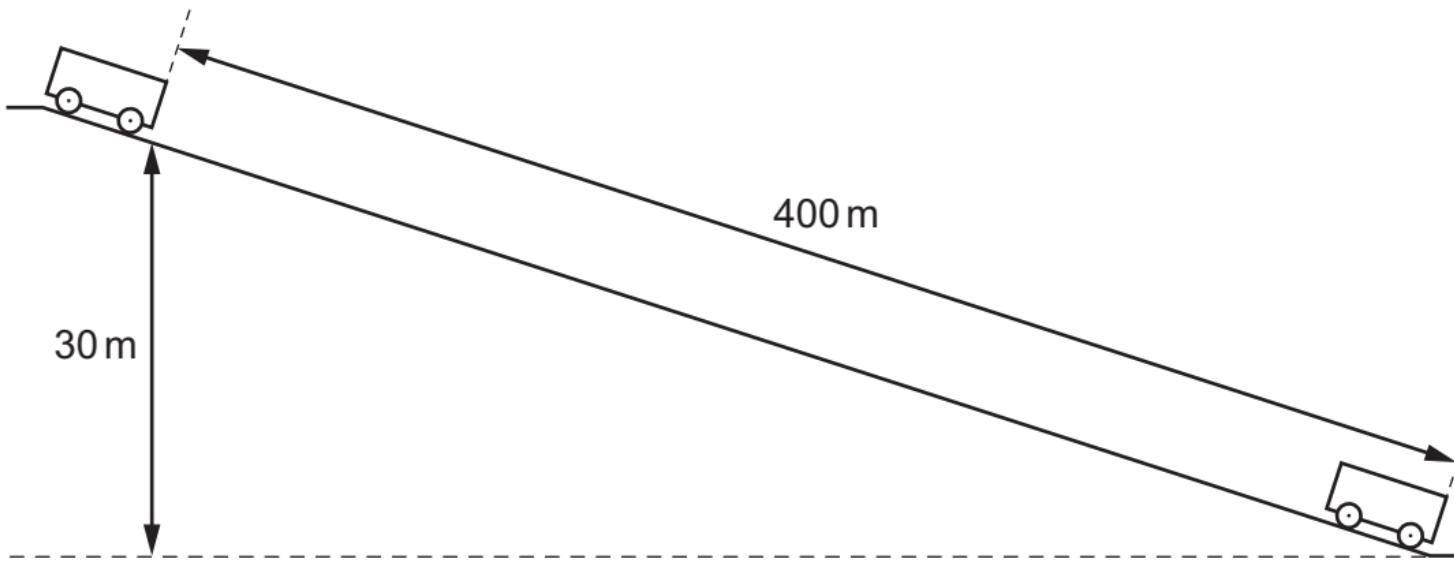


- 19 A truck of mass 500 kg moves from rest at the top of a section of track 400 m long and 30 m high, as shown. The frictional force acting on the truck is 250 N throughout its journey.



What is the final speed of the truck?

A 14 ms^{-1}

B 24 ms^{-1}

C 31 ms^{-1}

D 190 ms^{-1}