**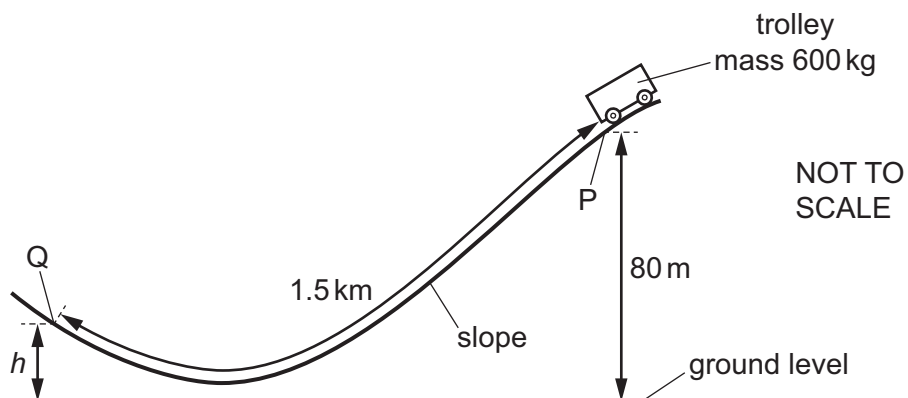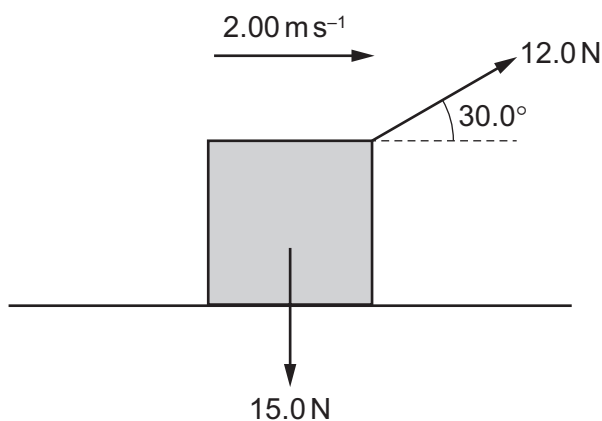17** A trolley of mass 600 kg is initially at point P on a slope, at a height of 80 m above ground level, as shown. The trolley is released from rest and moves along the slope, first coming to rest at point Q, at height $h$ above ground level.



The total distance PQ moved by the trolley along the slope is 1.5 km. A constant resistive force of 300 N opposes the motion of the trolley on the slope.

What is $h$?

**A** 3.5 m          **B** 76 m          **C** 79 m          **D** 80 m


**18** An object of weight 15.0 N is pulled along a horizontal surface at a constant velocity of 2.00 m s$^{-1}$.

The force pulling the object is 12.0 N at 30.0° to the horizontal, as shown.



What is the power used to move the object?

**A** 12.0 W          **B** 20.8 W          **C** 24.0 W          **D** 30.0 W