15 **In this question use $g = 9.8\,\mathrm{m\,s^{-2}}$**

A particle, Q, moves in a straight line across a rough horizontal surface.

A horizontal driving force of magnitude D newtons acts on Q

Q moves with a constant acceleration of $0.91\,\mathrm{m\,s^{-2}}$

Q has a **weight** of $0.65\,\mathrm{N}$

The only resistance force acting on Q is due to friction.

The coefficient of friction between Q and the surface is 0.4

Find D

[4 marks]