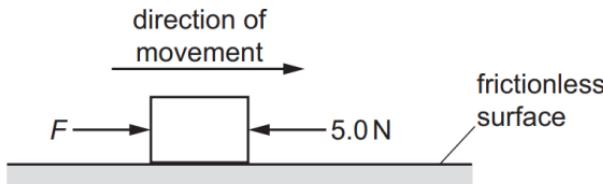
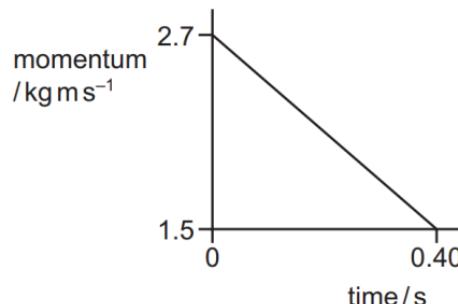


- 7 A block is moving along a horizontal frictionless surface. A constant force F and a constant resistive force of 5.0 N act on the block as it is moving in the direction of the force F , as shown.



The graph shows the variation with time of the momentum of the block.



What is the magnitude of force F ?

A 2.0 N

B 4.2 N

C 5.8 N

D 8.0 N

- 8 A climber is supported by a light rope on a vertical wall as shown.