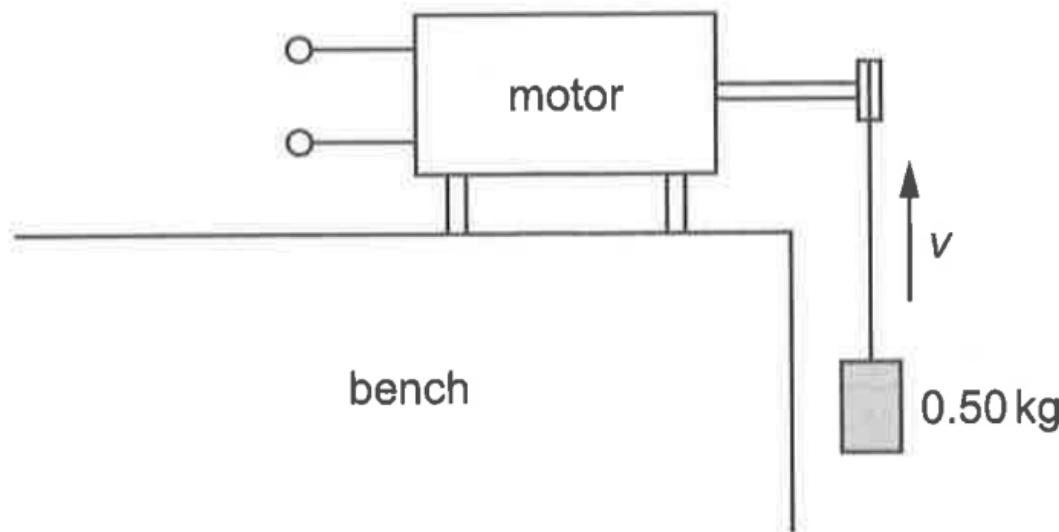


- 17 A small electric motor is 20% efficient. Its input power is 9.6 W when it is lifting a mass of 0.50 kg at a steady speed  $v$ .



What is the value of  $v$ ?

A  $0.39 \text{ ms}^{-1}$

B  $2.0 \text{ ms}^{-1}$

C  $2.8 \text{ ms}^{-1}$

D  $3.0 \text{ ms}^{-1}$

- 18 A small stone moves with a constant speed of  $1.4 \text{ m s}^{-1}$  in a horizontal circle of radius 0.40 m.