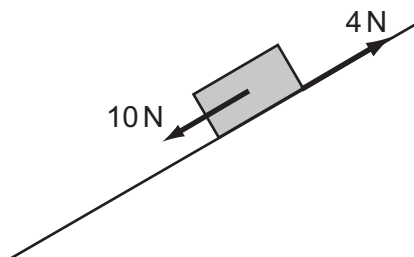


- 11** A brick weighing 20 N rests on an inclined plane. The weight of the brick has a component of 10 N parallel with the plane. The brick also experiences a frictional force of 4 N.



What is the acceleration of the brick down the plane? Assume that the acceleration of free fall  $g$  is equal to  $10 \text{ m s}^{-2}$ .

- A**  $0.3 \text{ m s}^{-2}$       **B**  $0.8 \text{ m s}^{-2}$       **C**  $3.0 \text{ m s}^{-2}$       **D**  $8.0 \text{ m s}^{-2}$

**Space for working**