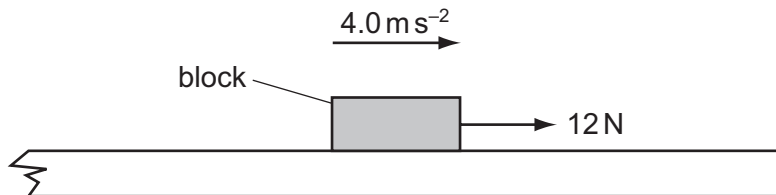


- 10** A block of mass  $0.60\text{ kg}$  is on a rough horizontal surface. A force of  $12\text{ N}$  is applied to the block and it accelerates at  $4.0\text{ m s}^{-2}$ .



What is the magnitude of the frictional force acting on the block?

- A**  $2.4\text{ N}$                       **B**  $5.3\text{ N}$                       **C**  $6.7\text{ N}$                       **D**  $9.6\text{ N}$