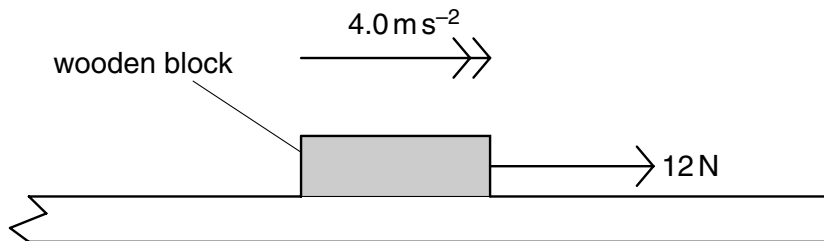


- 10** A wooden block of mass 0.60 kg is on a rough horizontal surface. A force of 12 N is applied to the block and it accelerates at 4.0 m s^{-2} .



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

- A** 2.4 N
- B** 9.6 N
- C** 14 N
- D** 16 N

- 11** A body, initially at rest, explodes into two masses M_1 and M_2 that move apart with speeds v_1