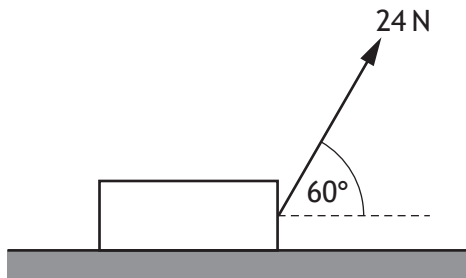


E  $0.0\text{ m s}^{-1}$ .

2. A block is resting on a horizontal surface.

A force of  $24\text{ N}$  is now applied as shown and the block slides along the surface.



The mass of the block is  $20\text{ kg}$ .

The acceleration of the block is  $0.20\text{ m s}^{-2}$ .

The force of friction acting on the block is

- A  $4.0\text{ N}$
- B  $8.0\text{ N}$
- C  $12\text{ N}$
- D  $16\text{ N}$
- E  $25\text{ N}$ .