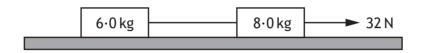
3. A block of mass  $6.0 \, \text{kg}$  and a block of mass  $8.0 \, \text{kg}$  are connected by a string. A force of  $32 \, \text{N}$  is applied to the blocks as shown.



A frictional force of 4.0 N acts on each block.

The acceleration of the 6.0 kg block is

- A  $1.7 \,\mathrm{m \, s^{-2}}$
- B  $2.0 \,\mathrm{m}\,\mathrm{s}^{-2}$
- C  $2.3 \,\mathrm{m \, s^{-2}}$
- D  $2.9 \,\mathrm{m}\,\mathrm{s}^{-2}$
- E  $5.3 \,\mathrm{m}\,\mathrm{s}^{-2}$ .