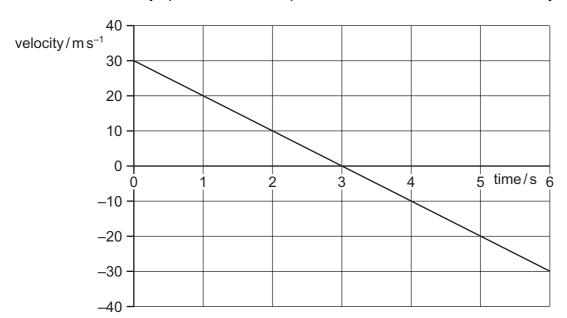
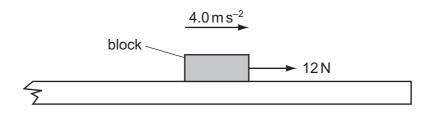
9 A stone is thrown vertically upwards. A student plots the variation with time of its velocity.



- What is the vertical displacement of the stone from its starting point after 5 seconds?
- **A** 20 m
- **B** 25 m
- **C** 45 m
- **D** 65 m
- 10 A 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 $4.0 \,\mathrm{m \, s^{-2}}$.



- What is the magnitude of the frictional force acting on the block?
- **A** 2.4N
- **B** 5.3 N
- **C** 6.7 N
- **D** 9.6 N