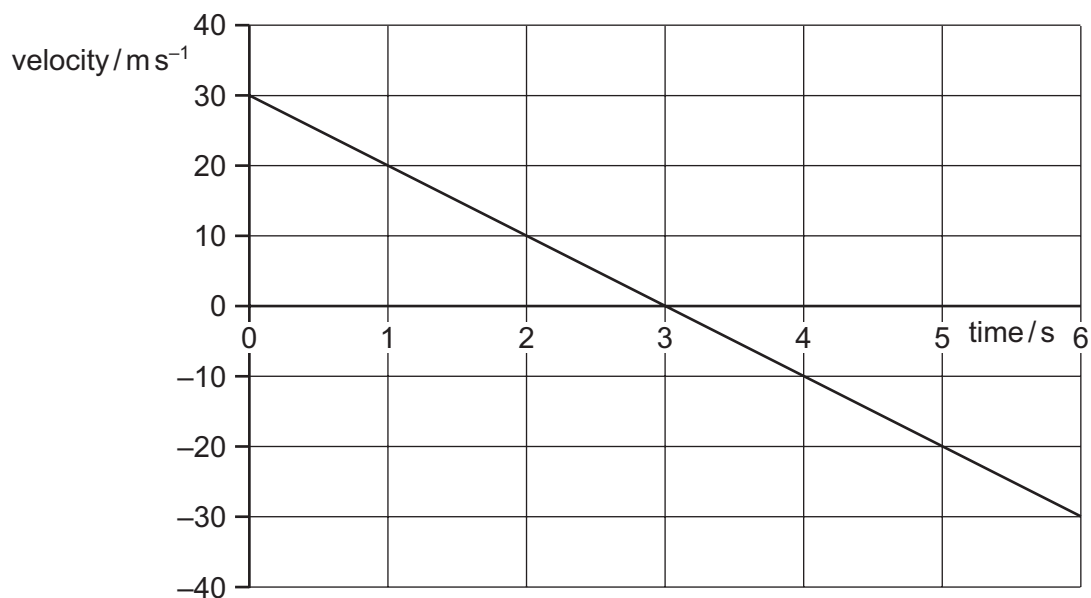
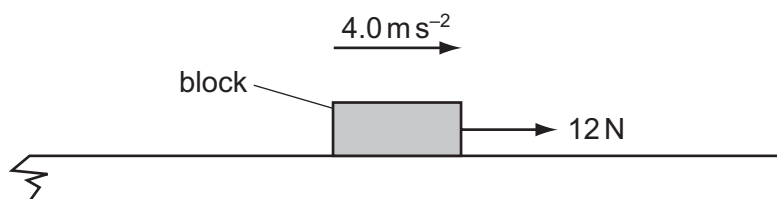


- 9 A stone is thrown vertically upwards. A student plots the variation with time of its velocity.



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  $4.0 \text{ m s}^{-2}$ .



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

- A** 2.4 N      **B** 5.3 N      **C** 6.7 N      **D** 9.6 N