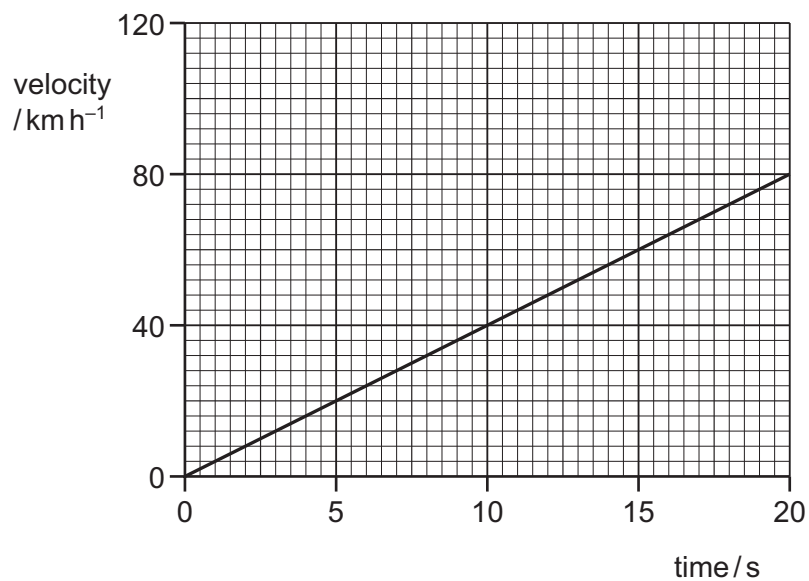


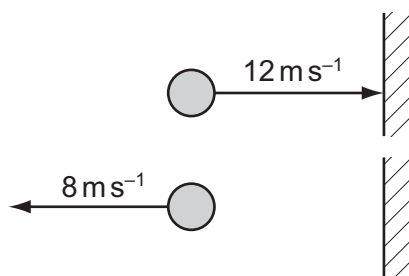
11 The velocity of a car changes as shown.



What is the acceleration of the car?

- A** 1.1 ms^{-2} **B** 4.0 ms^{-2} **C** 224 ms^{-2} **D** 800 ms^{-2}

12 A ball of mass 0.5 kg is thrown against a wall at a speed of 12 ms^{-1} . It bounces back with a speed of 8 ms^{-1} . The collision lasts for 0.10 s .



What is the average force on the ball due to the collision?

- A** 0.2 N **B** 1 N **C** 20 N **D** 100 N

Space for working