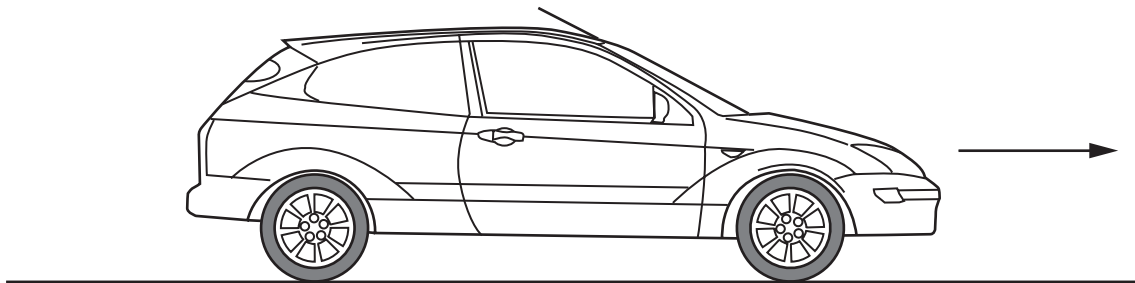


- 11 A car with front-wheel drive accelerates in the direction shown.



Which diagram best shows the direction of the total force exerted by the road on the front wheels?

A



B



C



D



- 12 A ball of mass  $2\text{ kg}$  travelling at  $3\text{ m s}^{-1}$  strikes a ball of mass  $4\text{ kg}$  travelling at  $2\text{ m s}^{-1}$ . Both balls