

- 5** A lorry of mass $40\,000\text{ kg}$ is subjected to a horizontal driving force of $63\,000\text{ N}$ and total horizontal resistive forces of 8000 N .

What is the magnitude of the acceleration of the lorry in the horizontal direction?

- A** 0.14 m s^{-2} **B** 0.16 m s^{-2} **C** 1.4 m s^{-2} **D** 1.6 m s^{-2}

- 6** An object travelling with constant velocity is acted on by two forces only that are equal and