

5 A lorry of mass 40 000 kg is subjected to a horizontal driving force of 63 000 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 ms^{-2}

B 0.16 ms^{-2}

C 1.4 ms^{-2}

D 1.6 ms^{-2}

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