

8 A small car of mass 800 kg travels at a constant speed of 20 m s^{-1} along a level road against resistive forces of 400 N. The efficiency of the car in converting the energy of the fuel into work done against the resistive forces is 16%.

One kilogram of fuel has an energy value of 48 MJ.

How much fuel does the car use to travel one kilometre?

A 52 g

B 85 g

C 220 g

D 260 g

