

**11** A small car of mass 800 kg travels at a constant speed of  $20\text{ ms}^{-1}$  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