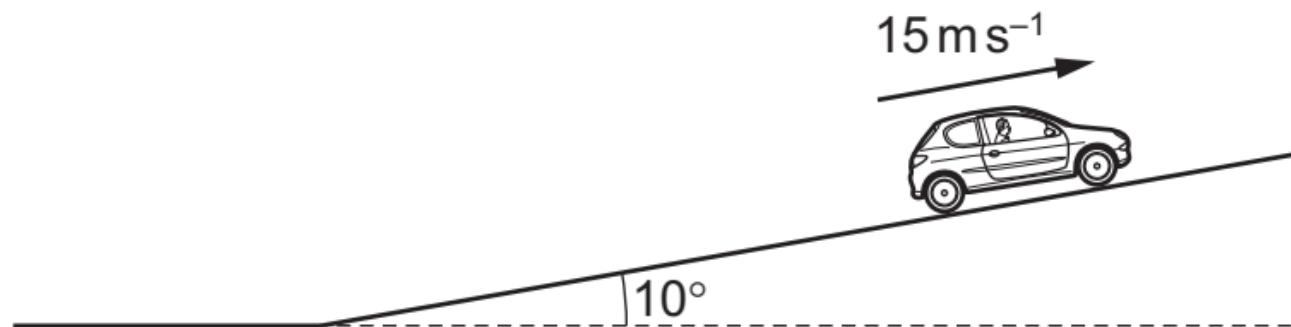


- 14 A car of mass 1100 kg is travelling at a constant speed of  $15 \text{ m s}^{-1}$  up a slope inclined at  $10^\circ$  to the horizontal. The combined frictional forces acting on the car are directed down the slope and are equal to  $\frac{W}{5}$ , where  $W$  is the weight of the car.



What is the useful output power of the car's engine?

- A 28 kW
- B 32 kW
- C 60 kW
- D 190 kW