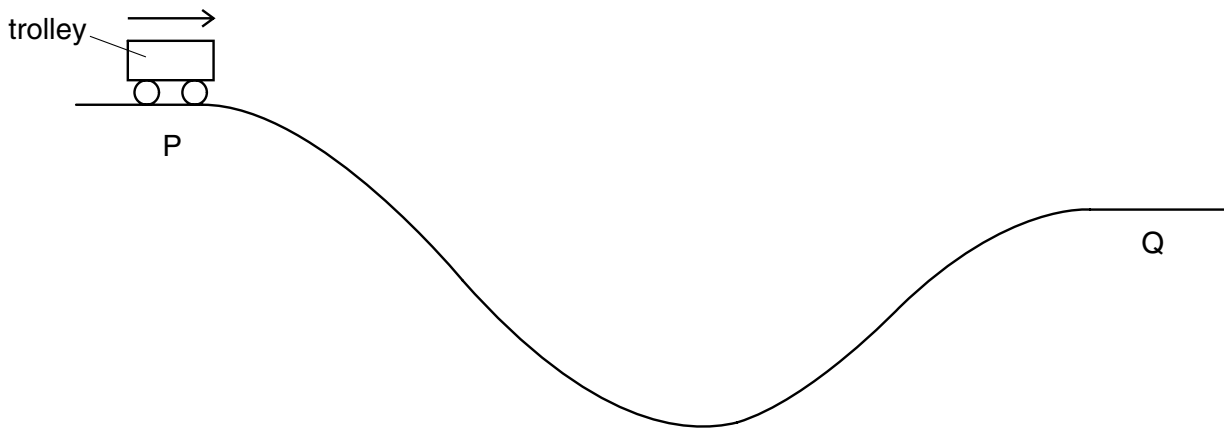


- 18** A trolley runs from P to Q along a track. At Q its potential energy is 50 kJ less than at P.



At P, the kinetic energy of the trolley is 5 kJ. Between P and Q the work the trolley does against friction is 10 kJ.

What is the kinetic energy of the trolley at Q?

- A** 35 kJ
- B** 45 kJ
- C** 55 kJ
- D** 65 kJ

- 19** To travel at a constant speed, a car engine provides 24 kW of useful power. The driving force on