

- 17** A cyclist is capable of generating an average power of 3.0 kW during a 4.0 km speed trial. His aerodynamic suit and position on the cycle reduce resistive forces to 180 N .

What is the approximate time achieved in the speed trial?

- A** 140 s **B** 240 s **C** 1300 s **D** 2200 s

- 18** A constant force of 0.0 kN , parallel to an inclined plane, moves a body of weight 20 kN through a