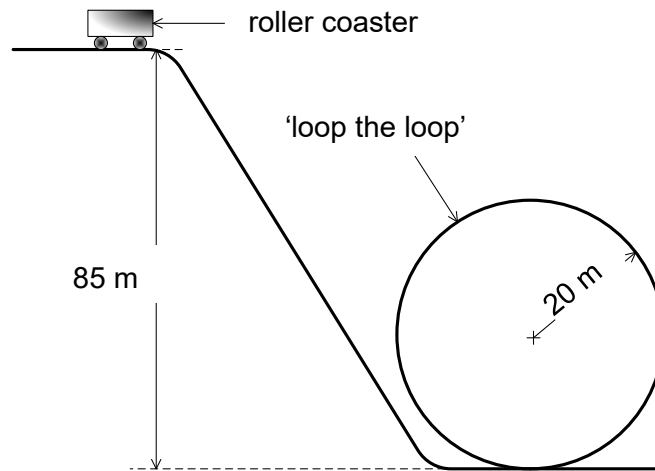


- 10 A roller coaster starts from rest on a hill-top. It accelerates along a frictionless track before entering a loop-the-loop of radius 20 m as shown below.



What is the minimum normal contact force that the roller coaster seat exerts on a passenger with weight W , as it passes through the 'loop the loop'?

- A** 0 **B** $3.5 W$ **C** $4.5 W$ **D** $5.5 W$

