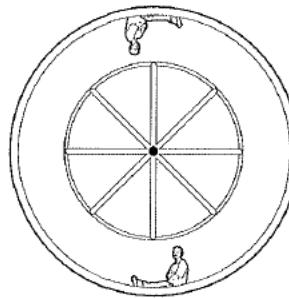


- 10** On a fairground ride, passengers are rotated in a vertical wheel of radius 4.00 m. Passengers complete one revolution in 3.70s.

A passenger of mass 77.0 kg is shown in the diagram when at the top of the wheel and when at the bottom of the wheel. What is the force acting by the wheel on the passenger?



	<b>force at top</b>	<b>force at bottom</b>
<b>A</b>	1640 N down	133 N up
<b>B</b>	1640 N up	133 N down
<b>C</b>	133 N down	1640 N up
<b>D</b>	133 N up	1640 N down