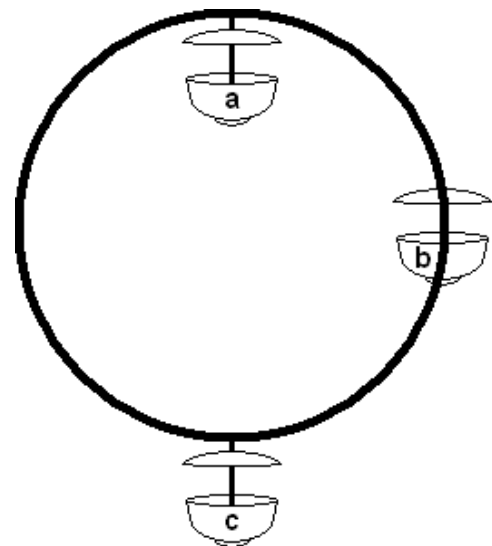


Ferris Wheel

Measure the period T of the Ferris Wheel. (Hint: See Appendix B.)



1. Find the angular frequency.
2. Find the tangential velocity if the diameter of the wheel is 26.82 m.
3. Find the magnitude and direction of the centripetal acceleration at the following points.
 - a. At the top of the wheel.



- b. On the side of the wheel.
 - c. At the bottom of the wheel.
4. Draw in the centripetal force at points a, b and c in the diagram above.
 5. Draw in the normal force on the cart at A, B, and C.