

Vertical Circles

A 1.2 kg mass is swung at the end of a 0.50 m long string in a vertical circle with a speed of 4.3 m/s. Calculate the tension in the string at the top and bottom of the circle.

* more tension at top? or bottom?

1. A 150g ball on the end of a 1.10m cord is swinging in a vertical circle. Determine

(a) the minimum tension in the string

(b) the minimum speed the ball must have in order to continue in the circle

(c) the tension in the cord at the bottom of the circle.