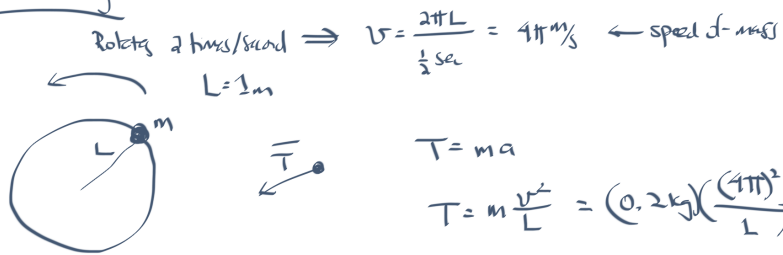


David's Ding



$$T = ma$$

$$T = m \frac{v^2}{L} = (0.2 \text{ kg}) \left(\frac{(4\pi)^2}{1} \right)$$

$$\boxed{T = 32 \text{ N}}$$

If the string snapped, the ball would fly off tangent to the circle.