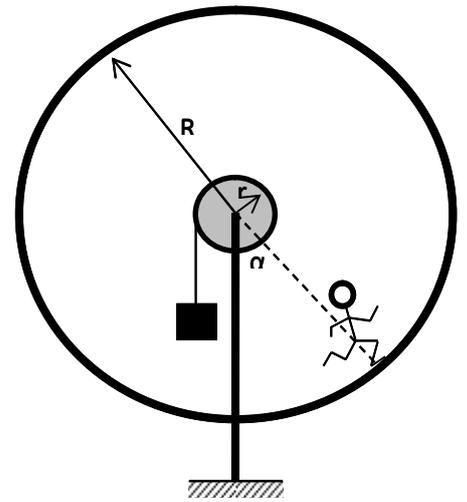


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8	
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1.

,  
 R,  
 r,  
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 :  
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 1)  
 2)



$$N = \frac{R}{r}$$

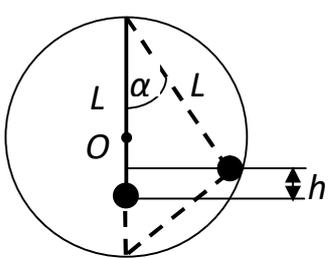
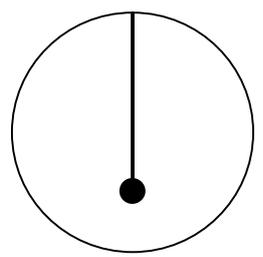
$$m_{rp} = \frac{F_{rp} R}{g r}$$

$$\frac{m \cdot \sin \alpha \cdot R}{r}$$

$$F = mg \cdot \sin \alpha$$

2.

m  
 R.  
 ?



L.  
 h



$t$   $n$   $N = nSvt$   $S$   $m$   $p = mv$

$$|\mathbf{F}| = \frac{|\Delta \mathbf{p}|}{\Delta t} = \frac{Nmv}{t} = nSmv^2.$$

$$Q_t = N \cdot \frac{mv^2}{2} = \frac{nSmv^3 t}{2}, \quad Q = \frac{nSmv^3}{2} = \frac{Fv}{2}.$$