

Pendulum Problems

1. Determine the period of a pendulum 1.0 m long.
2. What is the period of a pendulum 0.50 m long?
3. The period of a pendulum is 1.0 s. Find its length in meters.
4. An acrobat is swinging on a trapeze 3.5 m long. What is the period of this swinging acrobat?
5. What is the frequency the swinging acrobat in 4?
6. After landing on Zithor, you measure the period of a 2.0 m pendulum to be 2.8 seconds. What is the value of g on Zithor?