

### Top Review Questions

Which has more rotational inertia?



### Top Review Questions

What is the rate at which an object changes the direction of its velocity?

### Top Review Questions

What is the inward force acting on the ball?



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### Top Review Questions

How do you calculate angular momentum?

### Top Review Questions

Calculate the moment of inertia for a .60 kg full soda can with a 2.5 cm radius rolling down a sidewalk.

### Top Review Questions

Guntor whirls a 4.0 kg steel ball on the end of a 1.0 m cable at a rate of 3 rev per seconds.

Calculate the tangential velocity.

Centripetal acceleration?

Centripetal force?

Calculate the angular momentum.

Moment of Inertia?

**Top Review Questions**

A ladybug sits half way down the length of the cable. How does the bugs tangential velocity compare to the steel ball?

Rotational velocity?

Angular Momentum?

**Top Review Questions**

Calculate the torque of a 65 kg person sitting 2 m from the center of a teeter-totter.

Where would a 45 kg person need to sit to balance the teeter-totter?