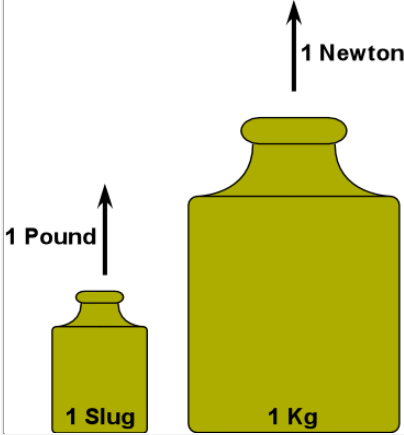
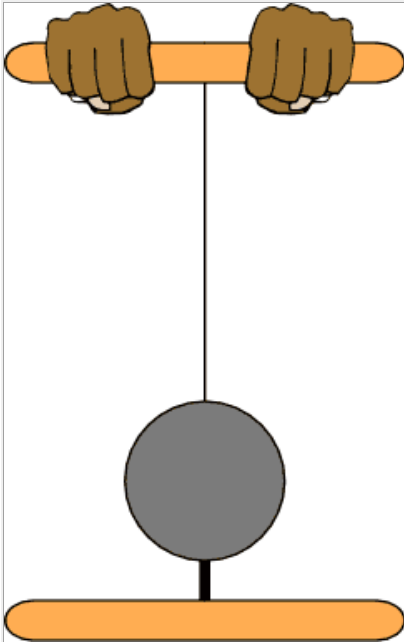

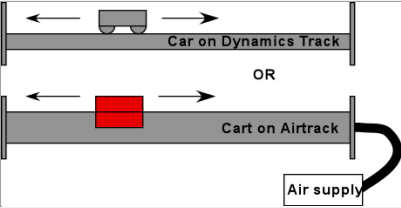


Newton's First Law Demonstrations

MECHANICS	1A10.20	MEASUREMENT
<b>Basic Units</b>		
<h1>Standards of Mass</h1>		
Disc 01-01		
	<p>Show students 1kg and 1 lb. masses to illustrate their size.</p> <p>Have students lift both to illustrate their weights.</p> <p>A 1 slug mass can also be shown and lifted.</p>	

MECHANICS	1F20.10	NEWTON'S FIRST LAW
<b>Inertia of Rest</b>		
<h1>Inertia Ball</h1>		
Disc 02-13		
	<p>Pull up slowly to overcome the inertia of the heavy ball and break the bottom string. Pull up fast to break the top string.</p> <p>Have the students guess beforehand which string will break.</p> <p><a href="#">Workshop Video</a></p>	

MECHANICS	1F20.30	NEWTON'S FIRST LAW
<b>Inertia of Rest</b>		
<b>Tablecloth Pull</b>		
		
<p>Pull the tablecloth out from under a place setting.</p>		

MECHANICS	1F30.10	NEWTON'S FIRST LAW
<b>Inertia of Motion</b>		
<b>Persistence of Motion</b>		
		
<p>Level the track. Give the cart a push and watch it bounce end to end along the track. The air track works better, but is noisier.</p> <p><a href="#">Workshop Video</a></p>		