Physics	Newtonian Physics	Mr. McMullen
Names		Date Period
Newtonian Physics	- Components of Force Vector Activity	
During this minilab component.	you will investigate the relationship between the	ne angle of an applied force and the magnitude of one
Materials: 1 m of String Protractor	500 g Weight 2 Newton Scales Cross Bar and Supports	Protractor
<ol> <li>Stretch the scales</li> <li>Tie a piece of stri</li> <li>Attach a loop of s</li> <li>Attach the 500 g s</li> <li>Place the protract Zero of the protract</li> <li>Move the newton</li> <li>Adjust the locatio</li> <li>Record the angle</li> <li>Move the scales Remember the scales</li> <li>Repeat these pro</li> </ol>	or at the intersection of the central string and the actor should be at this intersection.  scales in until the angle of the central string report of the weight until the two scales read the same and the force read on a newton scale in the table further apart and record this new angle and readles must read the same, adjustments of the weight	the central string.  ads 15°.  me.  le below.  ding on a newton scale.
Hanging Weight = _	g =	N
Angle (°)	Force (N)	Draw a graph of the force versus the angle.
		F o r c e (N)  Angle (°)
Intermedations		
Interpretations: How does changing	the angle affect the force on each string?	
the least the greatest the same as the susp	bended weightthmetic sum of the two forces can be greater that	an the load
Give some practical	applications of this study	