



Name _____

Mechanical Advantage

Begin by navigating to <http://www.btinternet.com/~hognosesam/gcse/page61.html>
Read the information on the webpage carefully & then use the information to complete the chart.

Load	Effort	Mechanical Advantage	Distance moved by effort	Distance moved by load	Velocity ratio	Efficiency
1000N	200N		60 M	10M		
200N	50N		20 MM	4 MM		
550N	11N		1000 M	10 M		
80N	40N		50 CM	5 CM		
1750N	175N		2000 MM	40 CM		
256N	16N		512 M	32		
960N	120N		1000 MM	100 MM		
2400N	1000N		240 M	50M		

Explain what is meant by mechanical advantage.

Explain what is meant by efficiency.

Why aren't machines 100% efficient?

What does efficiency have to do with work and work out?
