

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Simple Machines	
<p>Mechanical Advantage (MA)</p> $MA = \frac{D_r}{D_e} \quad AMA = \frac{F_e}{F_r}$ <p>% Efficiency $\frac{AMA}{IMA} \times 100$</p> <p>IMA = Ideal Mechanical Advantage AMA = Actual Mechanical Advantage D_r = Effort Distance D_e = Resistance Distance F_e = Effort Force F_r = Resistance Force</p>	<p>Inclined Plane</p> $IMA = \frac{L}{H}$
<p>Lever</p> <p>1st Class </p> <p>2nd Class </p> <p>3rd Class </p>	<p>Screw</p> $IMA = \frac{C}{Pitch}$ <p>$Pitch = \frac{1}{TPI}$</p> <p>C = Circumference r = radius Pitch = distance between threads TPI = Threads Per Inch</p>
<p>Wheel and Axle</p> <p>Effort at Axle </p> <p>Effort at Wheel </p>	<p>Compound Machines</p> $MA_{total} = (MA_1)(MA_2) \dots$ <p>Gears: Sprockets with Chains; and Pulleys with Belts</p> $GR = \frac{N_1 \omega_1}{N_2 \omega_2} = \frac{D_2}{D_1}$ <p>Compound Gears</p> $GR_{total} = \left(\frac{D_2}{D_1}\right) \left(\frac{D_4}{D_3}\right)$ <p>GR = Gear Ratio ω = Angular Velocity - driver ω = Angular Velocity - driven N = Number of Teeth - driver N = Number of Teeth - driven D = Diameter - driver D = Diameter - driven T = Torque - driver T = Torque - driven</p>
<p>Pulley Systems</p> <p>IMA = Total number of strands of a single string supporting the resistance</p> <p>MA = $\frac{D_r}{D_e}$ (string pulled) D_r = Resistance (load)</p>	

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