Pulleys and Pulley Systems SPH4C

The pulley is	a member of the	family because it is a rigid	
object that can rotate freely around a fulcrum .			
The wheel has a		_ in which a	, P
or	can run.		E ,
A single	pulley (in which the	does not mov	re)
gives	mechanical advantage but changes	s the	of $\bigvee_{\mathbf{F}_{\mathbf{r}}}$
the effort force (F_E) required to lift the load force (F_L) .			
A pulley in which the fulcrum does move when the load is moved is called a pulley.			
	There is a	to using this pulley.	
A of pulleys can also give you a mechanical advantage.			
The IMA will be equal to the number of			
F _L (i.e. strands).			
This system of one fixed pulley and one moveable pulley has			
	support strands.		
What is the IMA of a single moveable pulley? IMA =			
What is the IMA of the pulley system at left?			
F _E	IMA =		
/ 🟚	So you would expect the F _E	to be	than the F _L
* [7]	But, the _	,	etc.
	will	your required F _E .	
	F _L	AMA still = $\frac{F_L}{F_R}$	