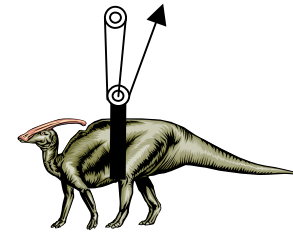
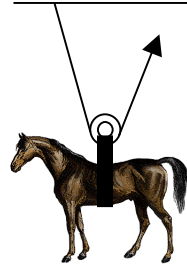
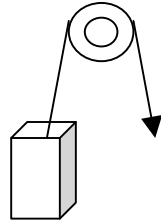


Basic Pulley Practice I



- a) Name the pulley.
- b) What is the resistance?
- c) How many strings support the resistance?
- d) What direction does the resistance move?
- e) What direction does the effort move?
- f) What is the force of the resistance?
- g) How far is the resistance moving?
- h) What is the force of the effort?
- i) How far must the effort pull the end of string/rope?
- j) solve: $\frac{\text{effort distance}}{\text{resistance distance}}$
- k) solve: $\frac{\text{resistance force}}{\text{effort force}}$
- l) What is the mechanical advantage (MA)?
- m) What is the pulley's purpose?