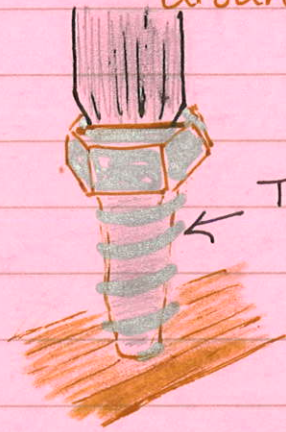


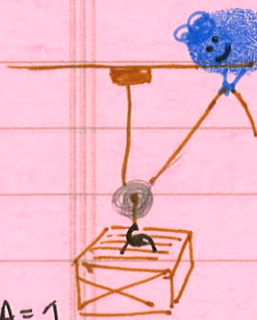
Screw - an inclined plane wrapped around a cylinder



Threads change the input force to an output force

Pulleys - grooved wheel with a rope or cable

Fixed pulley... only changes direction

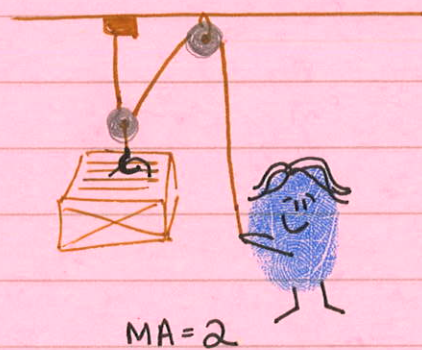


Movable Pulley

Force needed decreases

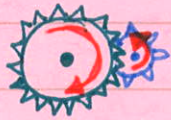
Distance needed increases

Pulley System - a combination of fixed and movable pulleys that work together



Compound Machine - 2 or more simple machines working together!

Gears: wheel + axle w/ teeth



The smaller gear will rotate faster!  
The direction of the rotation changes from gear to gear!!

The efficiency of a compound machine can be calculated by multiplying the efficiencies of the simple machines that make up the compound machine.