**Ramps**

Mr. Smith taught us about ramps today in Science class.

Here are some of the things I learned:

* Inclined planes give mechanical advantage because of their shape.
* The mechanical advantage of a ramp is always > 1.
* Ramps always make work easier.
* Ramps give mechanical advantage because they are longer then they are high.
* The formula for figuring out the mechanical advantage of ramps is MA = Length of ramp divided by Height of ramp.
* Stairs are a kind of ramp.
* If you have a ramp that is 182 inches long and 23 inches high, the mechanical advantage is 7.91.
* If you have a ramp that is 182 inches long and 52 inches high, the mechanical advantage is 3.5.

