

# Inclined Plane Lab

## What is Inclined Plane?

The inclined plane is simply a flat surface raised at an angle, like a ramp. The Inclined Plane is a simple machine.

Why do humans use inclined planes?

---

---

Give at least 3 different examples of in everyday life.

- 
- 
- 

## Purpose

- to determine what an incline plane does to the effective force

## Materials

- inclined plane with protractor
- cart
- balance
- Newton spring scale

## Procedure

- mass the cart
- weigh the cart
- place the cart on the inclined plane
- attach the Newton spring scale
- read the scale at an angle of  $5^\circ$
- increase the angle to  $10^\circ$  and read the scale
- repeat until  $90^\circ$

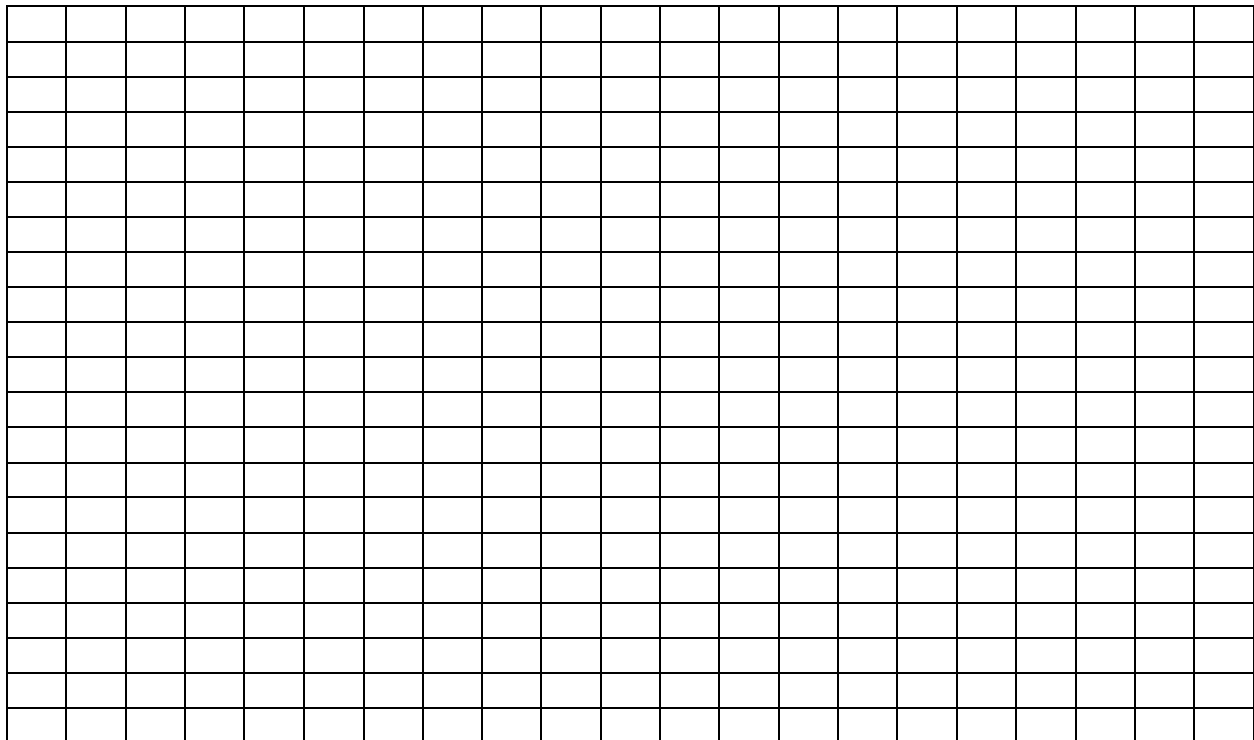
**Observations**

Mass of cart (g) \_\_\_\_\_

Weight of cart (N) \_\_\_\_\_

Angle (°)											
Scale Reading (N)											

**Graph**



**Conclusion**

\_\_\_\_\_  
\_\_\_\_\_