

2nd Law = The acceleration of an object depends on the mass of the object and the amount of force applied

$$F = ma$$

Ex: pushing an empty vs full shopping cart

Mass = how much matter an object has

↳ unit must be Kg

Force = a push or pull

↳ unit must be Newtons (N)

Acceleration = a change in velocity of an object

(speed up, slow down, change direction)

↳ unit must be m/s^2 (or $m/s/s$)

