

ACCELERATION

The rate at which the velocity of a body changes with time.

$$a = F \div m$$

Measured in units of Meters per second squared

$$m/s^2$$

MASS

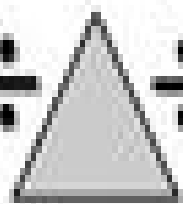
The amount of matter that an object or substance contains.

$$m = F \div a$$

Measured in units of Grams (g)

F

÷



$$m \times a$$

FORCE

A push or a pull upon an object resulting from the object's interaction with another object.

$$F = m \times a$$

Measured in units of Newtons (N)

$$1N = 1kg \cdot m/s^2$$