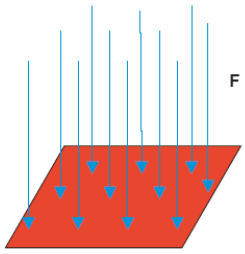
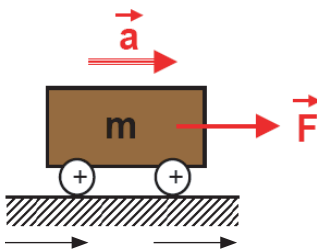
Reference Information



$P = F_N/A$

Pressure = force/area



$F = m * a$

Force = mass * acceleration

Definitions

Pressure	The force acting on a surface divided by the area over which it acts. Symbol p
Force	A physical influence that tends to change the position of an object with mass, equal to the rate of change in momentum of the object. Symbol F; Defined F = m · a
Area	The extent of a planar region or of the surface of a solid measured in square units.
Gravity	A force attracting massive bodies towards each other that is proportional to the product of their masses and inversely proportional to the square of their separation.
Newton	An SI unit of force equivalent to the force that produces an acceleration of one meter per second on a mass of one kilogram. Symbol N
Ton	An imperial unit of weight, equal to (2,000 lb) in the United States (a.k.a. short ton).
Metric ton	A unit of weight equal to 1,000 kg.
Long ton	An imperial unit of weight, equal to 1,016 kg (2,240 lb) in the United Kingdom.
Nominal load	The load/force for which the load cell is constructed.
Nominal temperature range	The temperature range where the measuring instrument complies with its specifications.