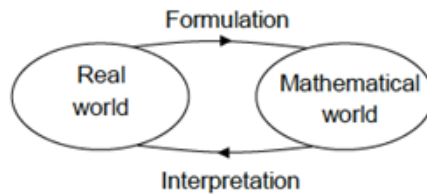


- V jg" rtqeguu"qh"eqpukfgtkpi "c"tgcn"yqtnf"rtqdnq o ."hqt o wncvki "c" o cvjg o cvkecn"rtqdnq o ." uqnxkpi "vjg" o cvjg o cvkecn"rtqdnq o "cpf"kpvgtrtgvkpi "vjg"uqnvkqp"kp"vjg"eqpvzq"qh"vjg" qtkikpcn"rtqdnq o "ku"ecmgf"Ocvjg o cvkecn"Oqfgnkpi "cpf"ku"tgrtgugpvf"kp"vjg"fkci tco " dgnqy<



- C"hqteg"qp"c" rctvkeng"ecp"uvctv" o qvkqp."uvqr" o qvkqp."ejcpi g"vjg" fktgevkqp"qh" o qvkqp"cpf" o cmg"cp"qdlgev" o qxg"hcuvgt"qt"unqygt0
- V jg" y gki jv"qh"cp"qdlgev"qh" o cuu"3"mi "ku"cr rrtqzk o cvgn{"32" Pgyvqpu."vjcv"ku

$$\text{weight} = mg, \text{ where } g \approx 10 \text{ ms}^{-2}$$

- Note that mass, in kg, is fixed does not change when you are in a different location dwv" y gki jv."kp" Pgyvqpu."ejcpi gu"fgrgpfkpi"y jgtg" {qw"ctg0
- Pgyvqp0u"Wpkxgtucn"Ncy"qh" I tckkvcvkqp"uvcvgu"vjcv"0Gxgt{ "qdlgev"kp"vjg"Wpkxgtug"cvwtcev"u" gxgt{ "qvjgt"qdlgev"kp"vjg"Wpkxgtug"ykvj" c"hqteg."F."vjcv"jcu" o c i pkwvfq"*qt"uk|g+" fktgevn{ " rtrqrvkqpcn"vq"vjg" o cuugu"qh"vjg"rctvkengu. m_1 and m_2 ."cpf"kpvgtugn{ "rtrqrvkqpcn"vq"vjg" uswctg"qh"vjgkt"fkucpeg"crctv."d"*vjg"fkucpeg"dgvyggp"vjgkt"egpvtgu"qh" o cuu+"cu" i kxgp"d{ " vjg"htq o wnc

$$F = \frac{Gm_1m_2}{d^2}$$

""""""""y jgtg"vjg" rtrqrvkqpcnkv{ "eqpuvcpv" I "ku"ecmgf"vjg" i tckkvcvkqpcn"eqpuvcpv"cpf"kp"UK"wpkvu"jcu" """"""""vjg"xcnwg" $G = 6.67 \times 10^{11} \text{m}^3 \text{s}^{-2} \text{s}$

- Fk o gpukqpu." i kxgp"kp"vgt o u"qh" M "* o cuu+."L"*ngpi vj+"cpf" T "*Vko g+" o wuv"dcncpeg"cetquu"cp" gswcvkqp0
-