An object falls freely from 3.2 high above the moon surface , if it takes 2s or reach the surface , find the acceleration due to the moon's gravity. Ps.(I know it's 1.6m/s^2 but I don't know how to get it )

## Solution

S=(a\*t^2)/2 =>

a=2\*S/(t^2)

a=2\*3.2/(2^2)=2\*3.2/4=1.6