

LE LEGGI DEL MOTO UNIFORMEMENTE ACCELERATO:

$$\begin{aligned}
 a &= \text{costante} & (1) \\
 v &= v_0 + at & (2) \\
 s &= s_0 + v_0 t + \frac{1}{2} at^2 & (3) \\
 v^2 - v_0^2 &= 2a(s - s_0) & (4)
 \end{aligned}$$

1/1

$$\dim(a) = \left[\frac{\frac{m}{s}}{s} \right] = \left[\frac{m}{s^2} \right] = \left[\frac{km}{h^2} \right]$$

$$(2) \quad v = v_0 + at \quad \left[\frac{m}{s} \right] = \left[\frac{m}{s} \right] + \left[\frac{m}{s^2} \right] [s]$$

$$(3) \quad s = \frac{1}{2} at^2 + v_0 t + s_0 \quad [m] = \left[\frac{m}{s^2} \right] [s^2] + \left[\frac{m}{s} \right] [s] + [m]$$

$$(4) \quad v^2 - v_0^2 = 2a \Delta s \quad \left[\frac{m^2}{s^2} \right] = \left[\frac{m}{s^2} \right] [m]$$

