**:::README\_formulas:::**

Docs <https://support.google.com/docs/answer/160749?co=GENIE.Platform%3DDesktop&hl=en>

Slides <https://support.google.com/docs/answer/46977?co=GENIE.Platform%3DDesktop&hl=en>

\begin{eqnarray}

E & = & m \cdot g\cdot\Delta h\\

& = & 1[kg] \cdot 9.81 [\frac{m}{s^2}] \cdot 1 [m]\\

& = & 9,81 \cdot [kg \cdot \frac{m}{s^2} \cdot m]\\

& = & 9,81 \cdot [\frac {kg \cdot m^2}{s^2} ] \\

\end{eqnarray}

\begin{eqnarray}

v & = & \frac{\Delta s}{\Delta s}\\

& = & \frac{s\_2-s\_1}{t\_2-t\_1}\\

\end{eqnarray}

\begin{eqnarray}

y^{2} & = & x\\

y^{\frac{2}{2}} & = & x^\frac{1}{2}\\

\end{eqnarray}

\begin{eqnarray}

10^{-23} & = & 1E-23\\

\end{eqnarray}

\begin{eqnarray}

0,0....g & = & 2,65\*10^{-23}g\\

\\

1g & = & 6,02\*10^{23}u\\

1u & = & \frac{1}{6,02\*10^{23}}g\\

\end{eqnarray}

\begin{eqnarray}

2,65\*10^{-23}g & = & 2,65\*10^{-23}\*(6,02\*10^{23}u)\\

& = & ...\\

\end{eqnarray}

\begin{eqnarray}

1\frac{km}{h} & = & \frac{10^3m}{3600s}\\

& = & \frac{1}{3.6}\frac{m}{s}\\

&&\\

3.6\frac{km}{h} & = & 1\frac{m}{s}\\

\end{eqnarray}

\begin{eqnarray}

66\frac{km}{h} & = & 66 \frac{10^3m}{3600s}\\

& = & \frac{66}{3.6} \frac{m}{s}\\

\end{eqnarray}

**=**