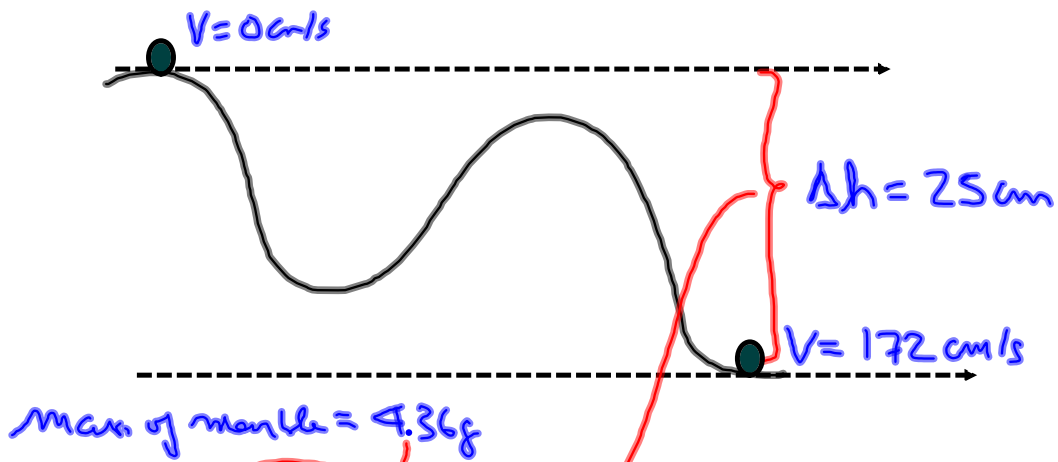


MKS → METERS, KILOGRAMS, SECONDS

CGS → CENTIMETER, GRAM, SECOND SYSTEM



mass of marble = 4.36g

$$PE = mg \Delta h$$

$$981 = 106929 \text{ ERGS}$$

$$106929 = \frac{1}{2} m [V^2]$$

$$\sqrt{\frac{2(106929)}{4.36}} = V = 221 \text{ cm/s}$$