Q 9

2.2 m

$27.0\,cm = 0.27\,m$

$g = 10\ m/s$.

$X = V_0 t \quad h = \frac{1}{2} g t^2$

$X = V_0 \sqrt{2h/g}$

$2.2 - 0.27 = 1.93\,m$

$l_2 = \frac{D}{D_1}(l_1) = \left(\frac{2.2\,m}{1.93\,m}\right)(1.10\,cm) = 1.25\,cm$