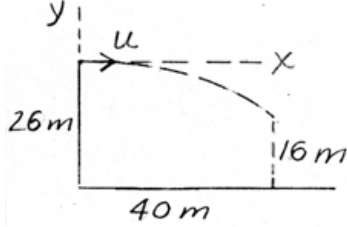


$$\frac{2}{72} \quad a_y = -g \text{ so } y = 0 - \frac{1}{2}gt^2, \quad t = \sqrt{\frac{2y}{g}} = \sqrt{\frac{2(26-16)}{9.81}}$$



$$= 1.428 \text{ s}$$

$$x = ut; \quad u = 40/1.428$$

$$= \underline{28.0 \text{ m/s}}$$