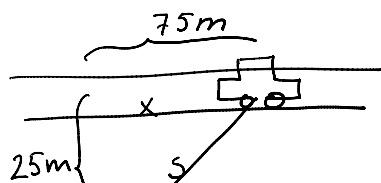


3018



$$x \frac{ds}{dt} = 105 \text{ km/h} = 29 \text{ m/s}$$

$$s^2 = x^2 + 25^2$$

$$x^2 = s^2 - 25^2$$

$$2x \frac{dx}{dt} = 2s \cdot \frac{ds}{dt}$$

$$\frac{dx}{dt} = \frac{2s \cdot 29}{2x} = \frac{2 \cdot 79 \cdot 29}{2 \cdot 75} = 30.56 \dots \approx \underline{\underline{31 \text{ m/s} = 110 \text{ km/h}}}$$