



$$2S = \Delta v * t$$

$$S = 5m$$

$$\Delta v = (60 - 48) \text{ km/hr} = 18 \text{ km/hr}$$

$$t = \frac{2S}{\Delta v} = \frac{1}{18} 10^{-2} \text{ hr}$$

$$L = 5 + 60 * t = 0.038 \text{ km}$$