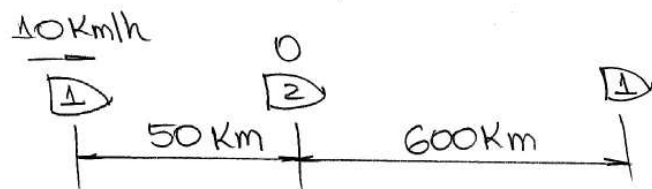


01) a) Em 2h $\rightarrow v_2 = \frac{\Delta S_2}{\Delta t} \therefore 25 = \frac{\Delta S_2}{2} \rightarrow \Delta S_2 = 50 \text{ Km}$

$\rightarrow v_{REL} = |v_1 - v_2| = 35 - 25 = 10 \text{ Km/h}$

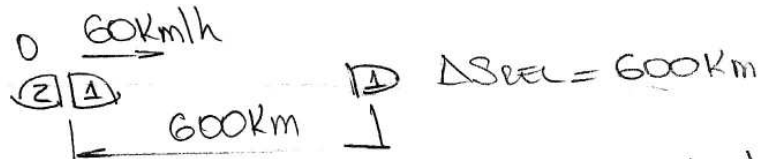


$\Delta S_{REL} = 650 \text{ Km} \rightarrow v_{REL} = \frac{\Delta S_{REL}}{\Delta t} \therefore 10 = \frac{650}{\Delta t}$

$\Delta t = 65 \text{ h}$

$\rightarrow \Delta t_{TOTAL} = \Delta t + 2 = 65 + 2 \rightarrow \Delta t_{TOTAL} = 67 \text{ h}$

b) $\rightarrow v_{REL} = |v_1 + v_2| = 35 + 25 = 60 \text{ Km/h}$

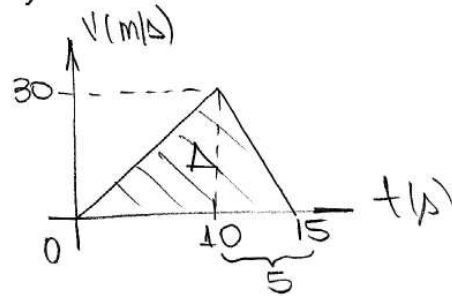


$\rightarrow v_{REL} = \frac{\Delta S_{REL}}{\Delta t} \therefore 60 = \frac{600}{\Delta t} \rightarrow \Delta t = 10 \text{ h}$

EXATAS

01) a) $v = v_0 + at = 0 + 3 \cdot 10 = 30 \text{ m/s} \rightarrow v = 108 \text{ Km/h} > 80 \text{ Km/h}$
(DEVE SER MULTADO)

b) CONSTRUINDO O GRÁFICO $v \times t$:



$\rightarrow A = \frac{b \cdot h}{2} = \frac{15 \cdot 30}{2} = 225 \text{ u.a.}$

$\rightarrow \Delta S \hat{=} A$

$\Delta S = 225 \text{ m}$

02) IGUAL A Nº 01 DE BIOLÓGICAS