

# Problemas



- Materia: fisica
- Carrera: TEC. ENFERMERIA
- Semestre/
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1.-

$$v = 900 \text{ km/h} = 250 \text{ m/s}$$

$$900 \text{ km/h} \left( \frac{1 \text{ h}}{3600 \text{ segundos}} \right) \left( \frac{1000 \text{ m}}{1 \text{ km}} \right) = 250 \text{ m/s}$$

$$d = 200 \text{ m/s} \quad v = d \cdot t \quad t = \frac{d}{v} = \frac{200}{250} = 0.8 \text{ s}$$

2.-

$$v_1 = 40 \text{ km/h} = 11.11 \text{ m/s}$$

$$v_2 = 60 \text{ km/h} = 16.66 \text{ m/s}$$

$$v_3 = 80 \text{ km/h} = 22.22 \text{ m/s}$$

$$T_3 = 3 \text{ horas} = 10.800 \text{ s}$$

d =

$$d = v_1 + v_2 + v_3$$

$$d = 40 + 60 + 80$$

$$d = 180 \text{ km}$$

F 3.- 90 millas / h

$$v = 90 \text{ millas / h} = 40.2336 \text{ m} \quad T = \frac{d}{v}$$

$$d = 18 \text{ m} \quad t = 18 \text{ m} / 40.2336 \text{ m}$$

$$T = 0.44 \text{ seg}$$

