

40 km  
1.3600

11,11

$$S_0 = 40 \text{ km}$$

$$S = 70 \text{ km}$$

$$\Delta S = 5 - 50$$

$$= 70 - 40$$

$$= 30 \text{ km}$$

$$S_0 = 100 \text{ km}$$

$$S = 85 \text{ km}$$

$$\Delta S = 85 - 100$$

$$= -15 \text{ km}$$

1)  $\text{km} 40$   
 $\text{km} 70$

2)  $\text{km} 85$   
 $\text{km} 100$

3)  $\text{km} 20$   
 $\text{km} 45$   
 $\text{km} 90$

$$S_0 = 20 \text{ km}$$

$$S = 45 \text{ km}$$

$$\Delta S = 45 - 20$$

$$= 25 \text{ km}$$

$$t_0 = 9 \text{ s}$$

$$t = 10 \text{ s}$$

$$\Delta t = 10 - 9$$

$$= 1 \text{ s}$$

$$\Delta v = \frac{\Delta S}{\Delta t} = \frac{1}{25} = 25 \text{ km}$$

4)  $30 \text{ km}$   
 $150 \text{ km}$   
 $12 \text{ s}$   
 $14 \text{ s}$

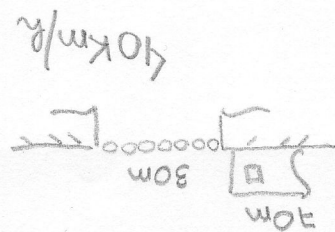
$$v_m = \frac{\Delta S}{\Delta t} = \frac{150 - 30}{14 - 12} = \frac{120}{2} = 60 \text{ km/s}$$

$$v = 25 \text{ km/s}$$

$$v = \frac{\Delta S}{\Delta t} \Rightarrow \Delta S = v \cdot \Delta t$$

$$= 25 \cdot 12$$

$$= 300 \text{ km}$$



$$t_{\text{em}} = 0,07 \text{ km}$$

$$t_{\text{onte}} = 0,03 \text{ km}$$

$$v = 40 \text{ km/h} \Rightarrow 11,11 \text{ m/s}$$

$$t = \frac{v}{\Delta s} = \frac{11,11}{0,1} = 9 \text{ seg}$$