

I

a)

Grupo 1

Grupo 2

	Hombres	Mujeres	
conductores	2	2	4
No conductores	4	2	6
			10

	Hombres	Mujeres	
conductor	6	4	10
No conductor	5	5	10
			20

b)

$$6 \rightarrow x$$

$$600 = 30x$$

$$30 \rightarrow 100\%$$

$$\frac{600}{30} = x$$

$$x = 20\%$$

c)

$$\frac{\text{No conductores}}{\text{conductores}} = \frac{16}{14} = \frac{8}{7}$$

d)

$$9 \rightarrow x$$

$$20 \rightarrow 100$$

$$900 = 20x$$

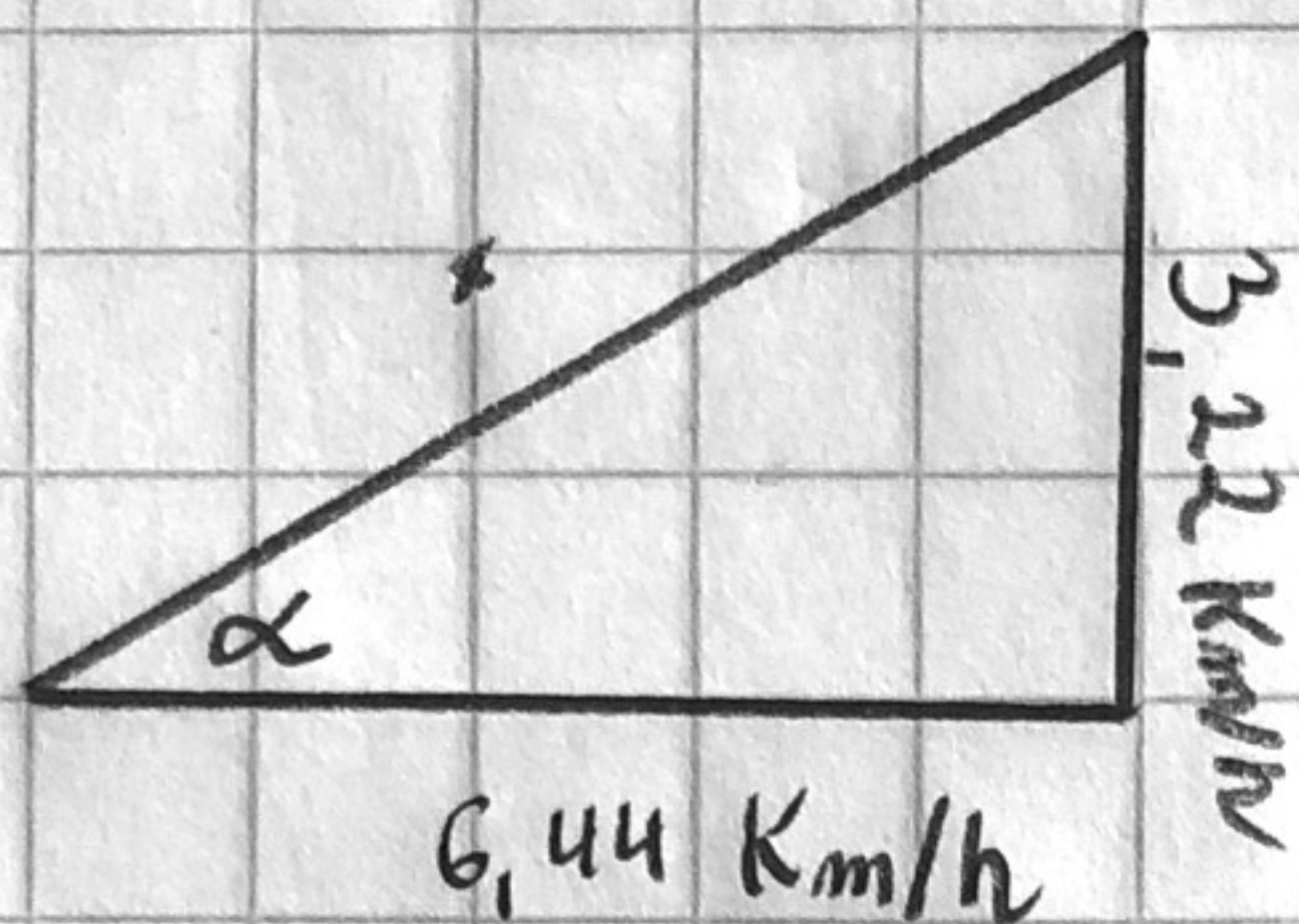
$$x = 45\%$$

e)

$$\frac{\text{mujeres no conductoras}}{\text{total de mujeres}} = \frac{7}{13}$$

II

a)



$$6,44^2 + 3,22^2 = \text{hip}^2$$

$$\text{hip} = 7,2$$

$$\theta^{-1} = 26,56^\circ$$

b)

$$V = \frac{d}{t}$$

$$6,44 = \frac{7,2}{t}$$

$$t = \frac{7,2}{6,44}$$

$$t = 1,1$$

∴ Se demora 1 hora y 6 min

c)

$$t = \frac{d}{V}$$

$$t = \frac{3,22}{9,66}$$

$$t = 0,33$$

$$t = 20 \text{ min}$$

$$t = \frac{3,22}{3,22}$$

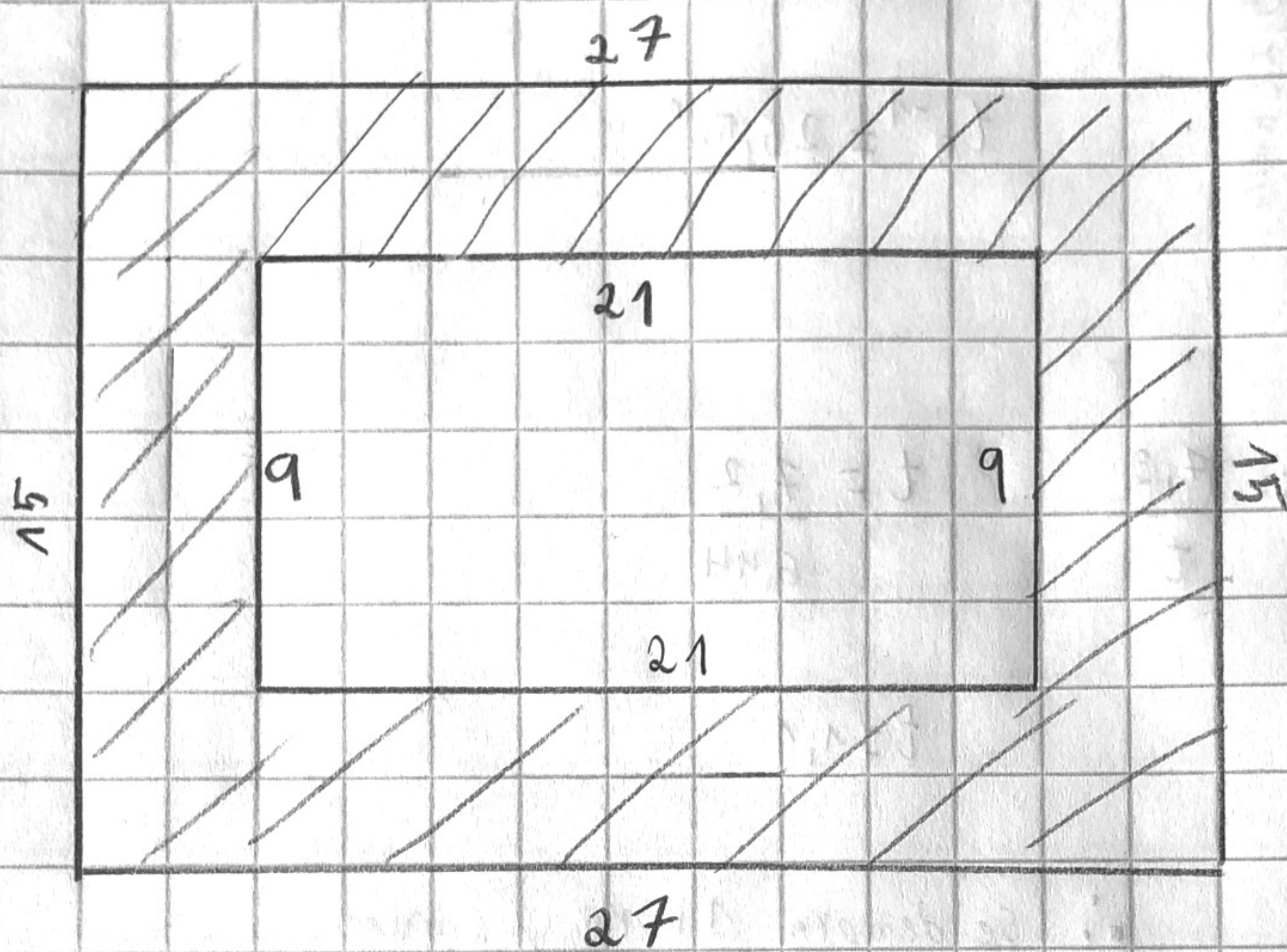
$$t = 1 \text{ hora}$$

∴ Se demoraría 1 hora y 20 min en ir y volver

III

$$\frac{\text{Largo}}{\text{Ancho}} = \frac{2}{3} = \frac{21}{9}$$

a)



b)

$$A_f = 15 \cdot 27 = 405 \text{ m}^2$$

$$A_R = 9 \cdot 21 = 189 \text{ m}^2$$

$$A_f - A_R = A_p$$

$$405 - 189 = 216 \text{ m}^2$$

c)

$$10 \text{ m}^2 \text{ por } 1 \text{ galon}$$

$$216 \text{ m}^2 \text{ por } x \text{ galon}$$

$$21,6 \cdot 2$$

$$43,2$$

$$10 \rightarrow 1$$

$$216 \rightarrow x$$

$\therefore$ = se necesitan 43,2 galones PARA LA
2 manos de pintura

$$x = \frac{216}{10}$$

$$x = 21,6 \text{ galones}$$